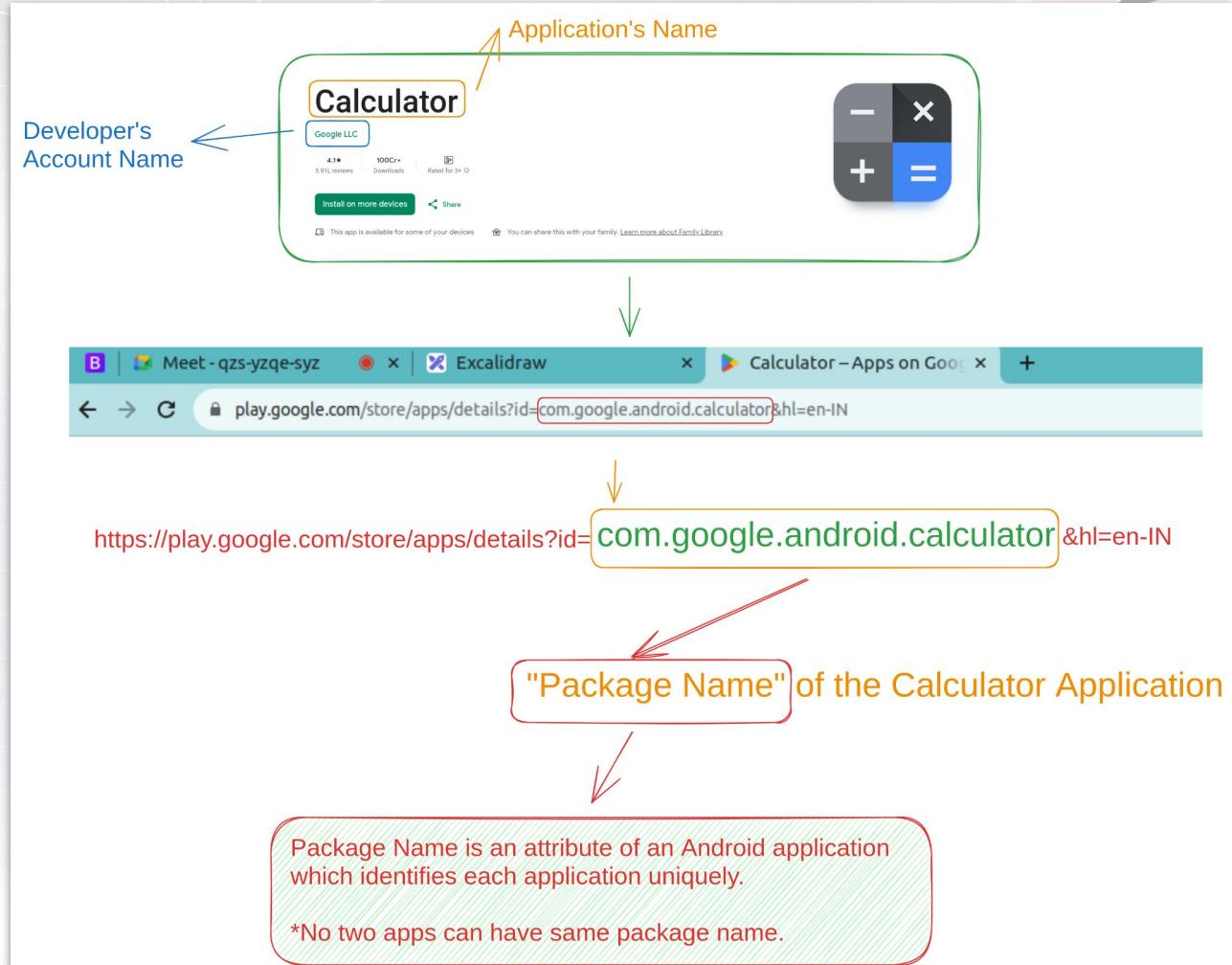


Secure Android



Android Package





Welcome Back,
Sign in to continue

Email

Password

[Forgot Password?](#)

Login

New user? [Sign Up](#)

Sign In

USERNAME

PASSWORD

Keep me Signed in

[Forgot Password ?](#)

SIGN IN

Sign Up

Full Name

Username

Email

Password

Re-type Password

Gender

Female Male

REGISTER

REGISTER WITH FACEBOOK

FIRST NAME
John

LAST NAME
Smith

EMAIL
john.smith@mail.com

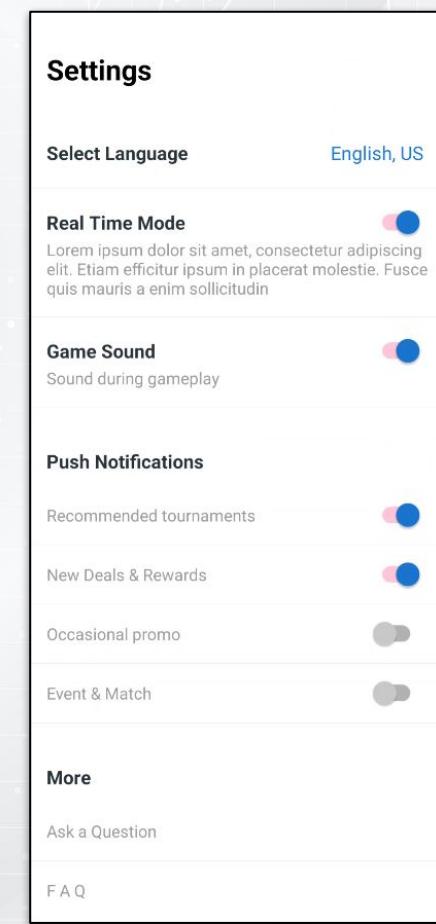
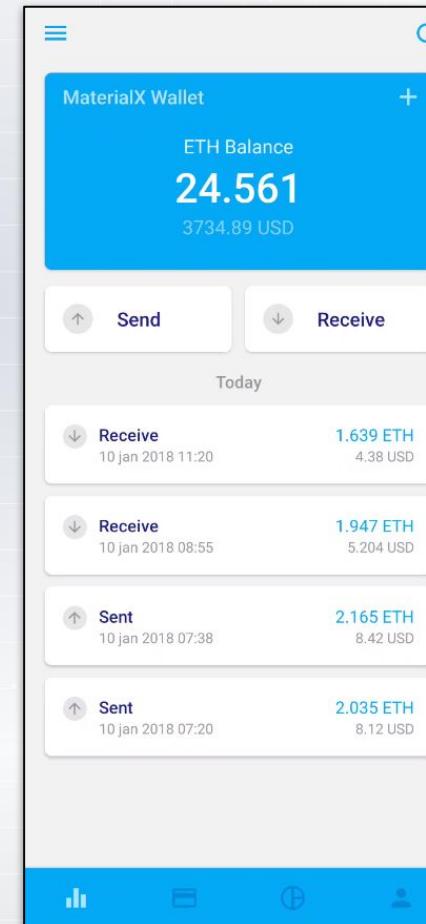
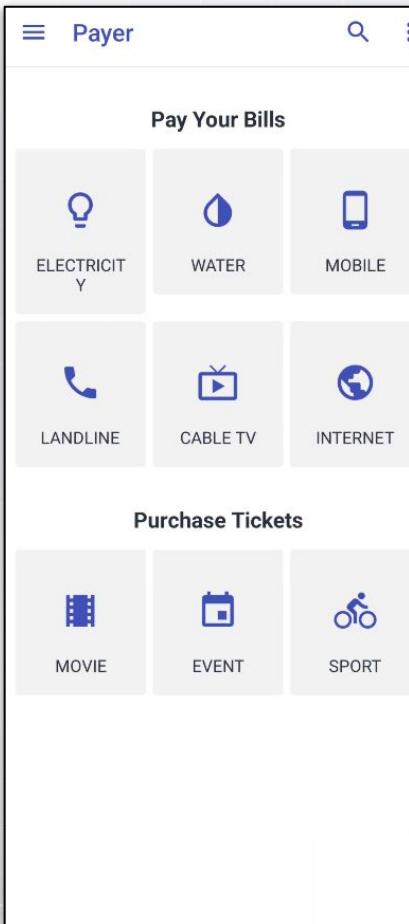
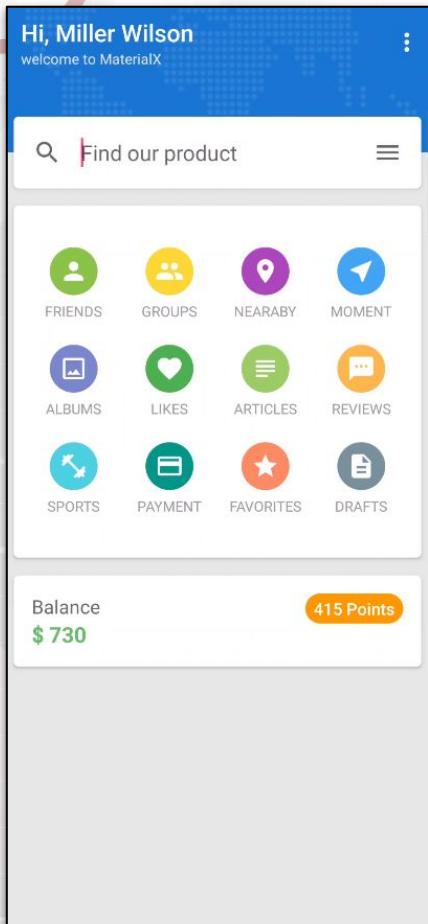
PHONE
083 2374 2342

STATE California ZIP CODE 6625

COUNTRY United State

SUBMIT

UI Designs



Day Of The Dispair
The Beat

1.5 K Posts 17.8 K Followers 1.3 K Following

Website: visual-photo.me Email: juliana.c@mail.com

Phone: (022)77723287 Location: United State

Zip Code: 6525 Address: 160th St, Fresh Meadows, NY, 11365

0:00 0:25

View Profile

Julianne Carter
Photographer



1.5 K Posts 17.8 K Followers 1.3 K Following

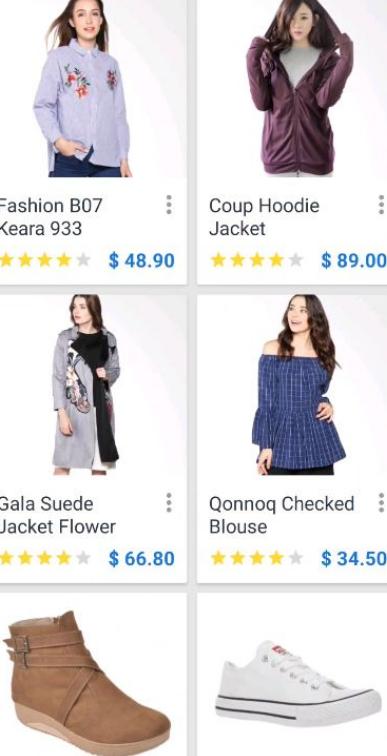
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam efficitur ipsum in placerat molestie. Fusce quis mauris a enim sollicitudin

Website: visual-photo.me Email: juliana.c@mail.com

Phone: (022)77723287 Location: United State

Zip Code: 6525 Address: 160th St, Fresh Meadows, NY, 11365

Products



Fashion B07 Keara 933 Coup Hoodie Jacket

Gala Suede Jacket Flower Qonnoq Checked Blouse

Java Seven Belladji 674 Kanvas Sneaker Shoes

Inbox

Kevin John 01 Jan 2016 kevin.john@mail.com Lorem ipsum dolor sit amet, consectetur a...

Anderson Thomas 10 Nov 2015 anderson.thomas@mail.com Lorem ipsum dolor sit amet, consectetur a...

Evans Collins 10 Nov 2015 evans.collins@mail.com Lorem ipsum dolor sit amet, consectetur a...

Betty C 05 Dec 2015 betty.c@mail.com Lorem ipsum dolor sit amet, consectetur a...

Roberts 05 Dec 2015 roberts@mail.com Lorem ipsum dolor sit amet, consectetur a...

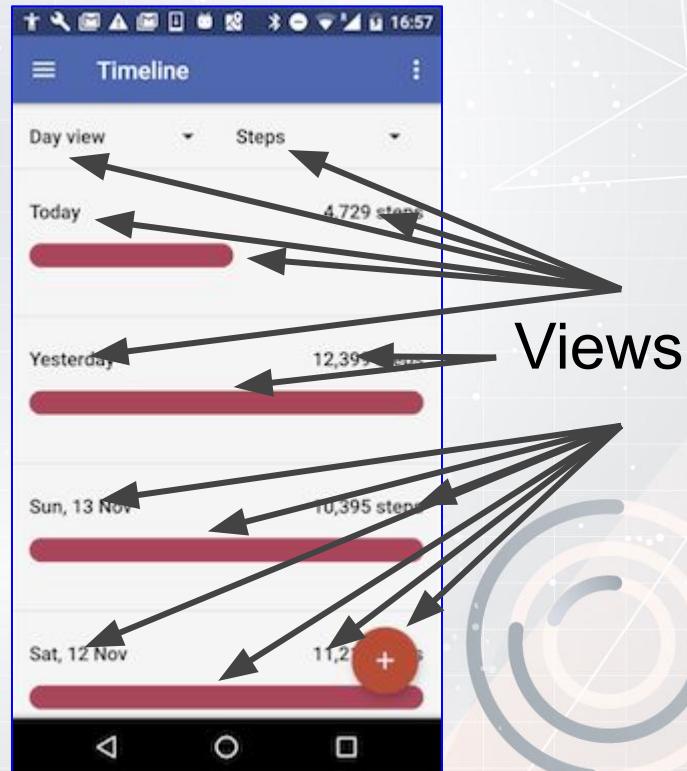
Susan Lee 11 Feb 2015 susan.lee@mail.com Lorem ipsum dolor sit amet, consectetur a...

Garcia Lewis 11 Feb 2015 garcia.lewis@mail.com Lorem ipsum dolor sit amet, consectetur a...

Mary Jackson 10 Nov 2015 mary.jackson@mail.com

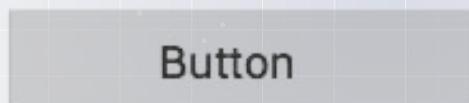
Everything you see is a view

If you look at your mobile device, every user interface element that you see is a **View**.

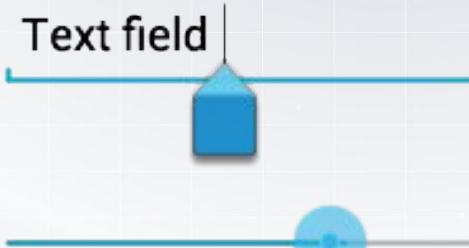


Examples of views

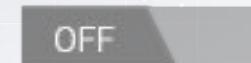
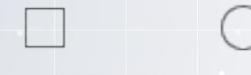
Button



EditText



SeekBar



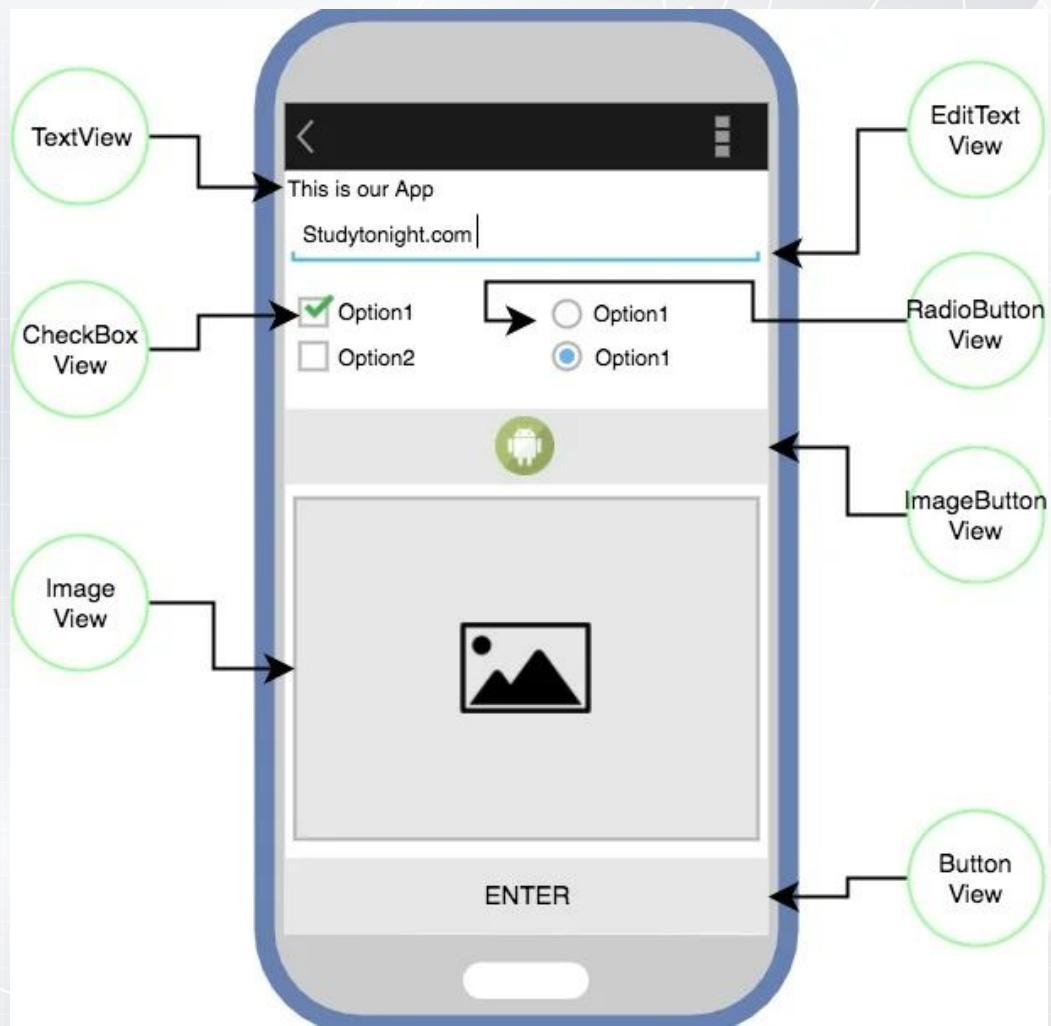
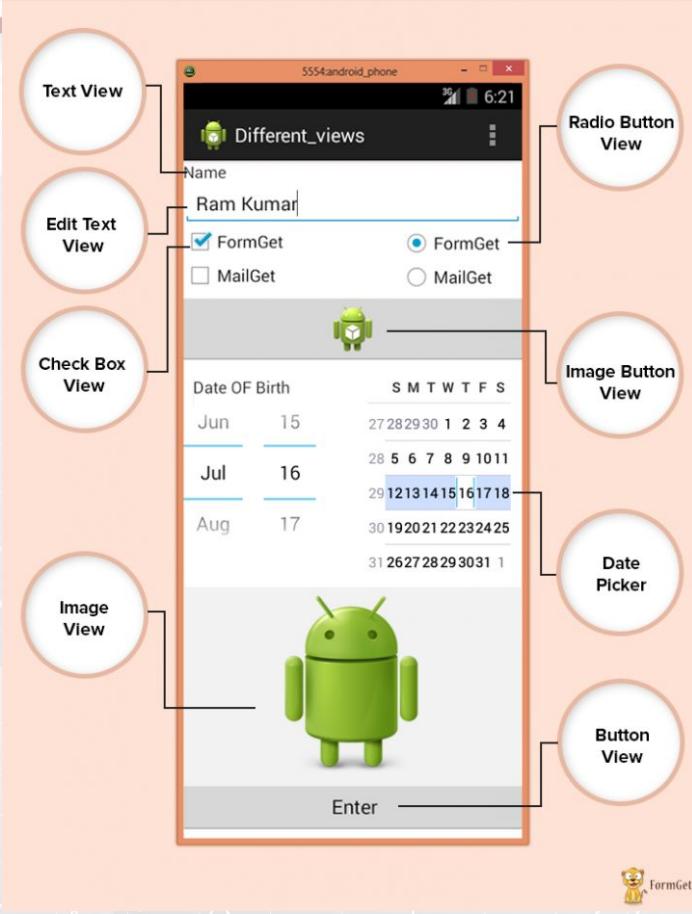
CheckBox

RadioButton

Switch

And many more!

Different Views In Android

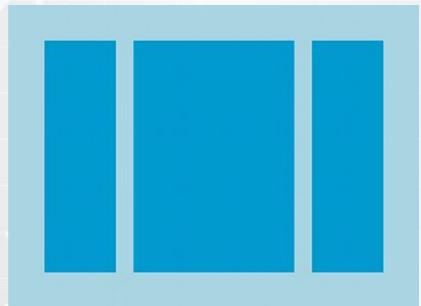


Android Layouts

Layouts

- are specific types of view groups
- are subclasses of [ViewGroup](#)
- contain child views
- can be in a row, column, grid, table, absolute

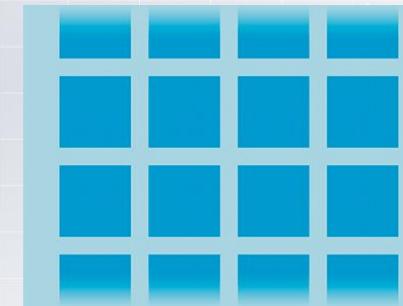
Android Layouts



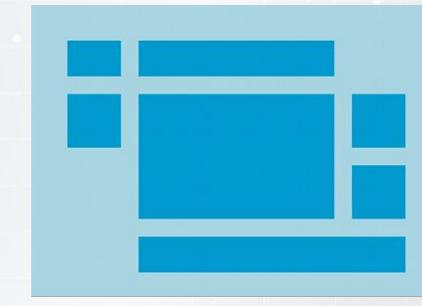
LinearLayout



RelativeLayout



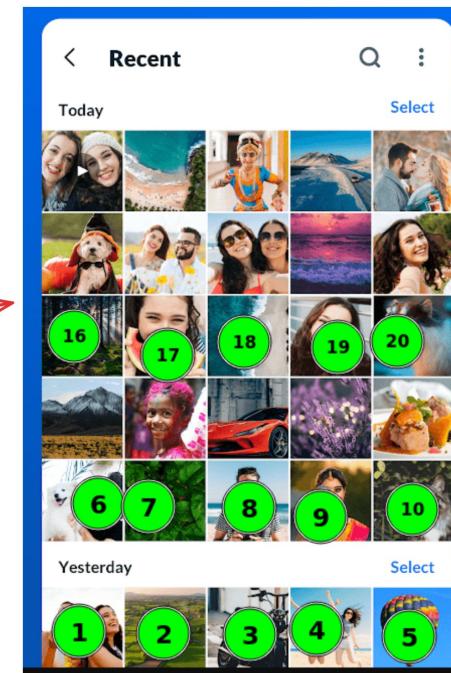
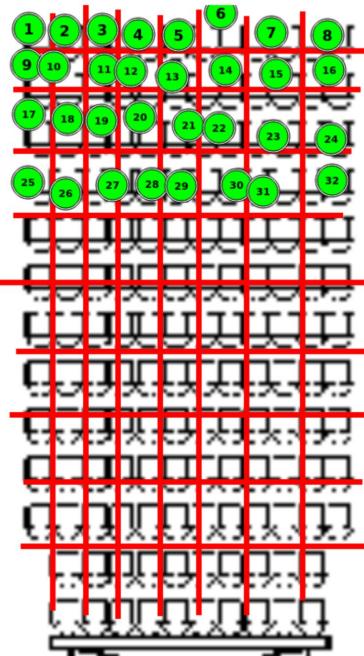
GridLayout



TableLayout

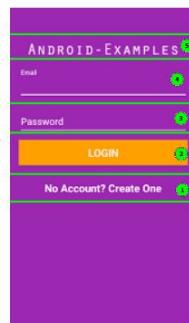
Grid Layout

Grid Layout

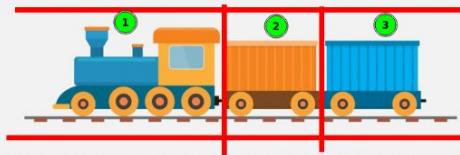


Linear Layout

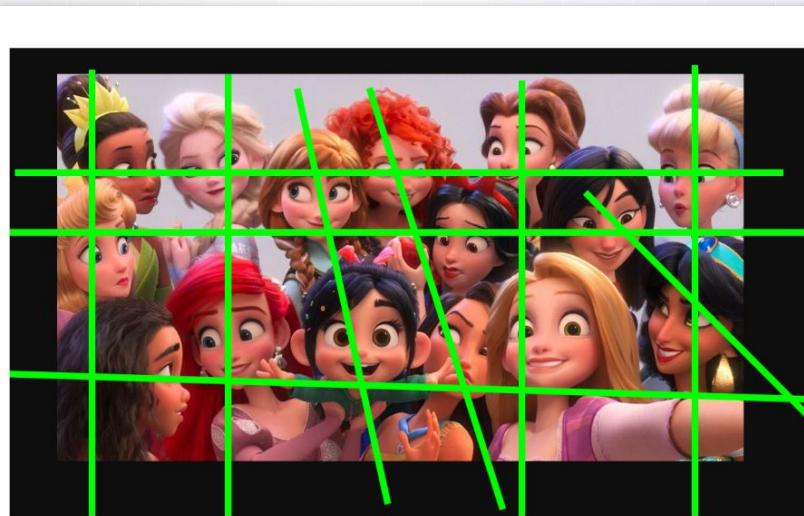
Linear Layout (Vertical)



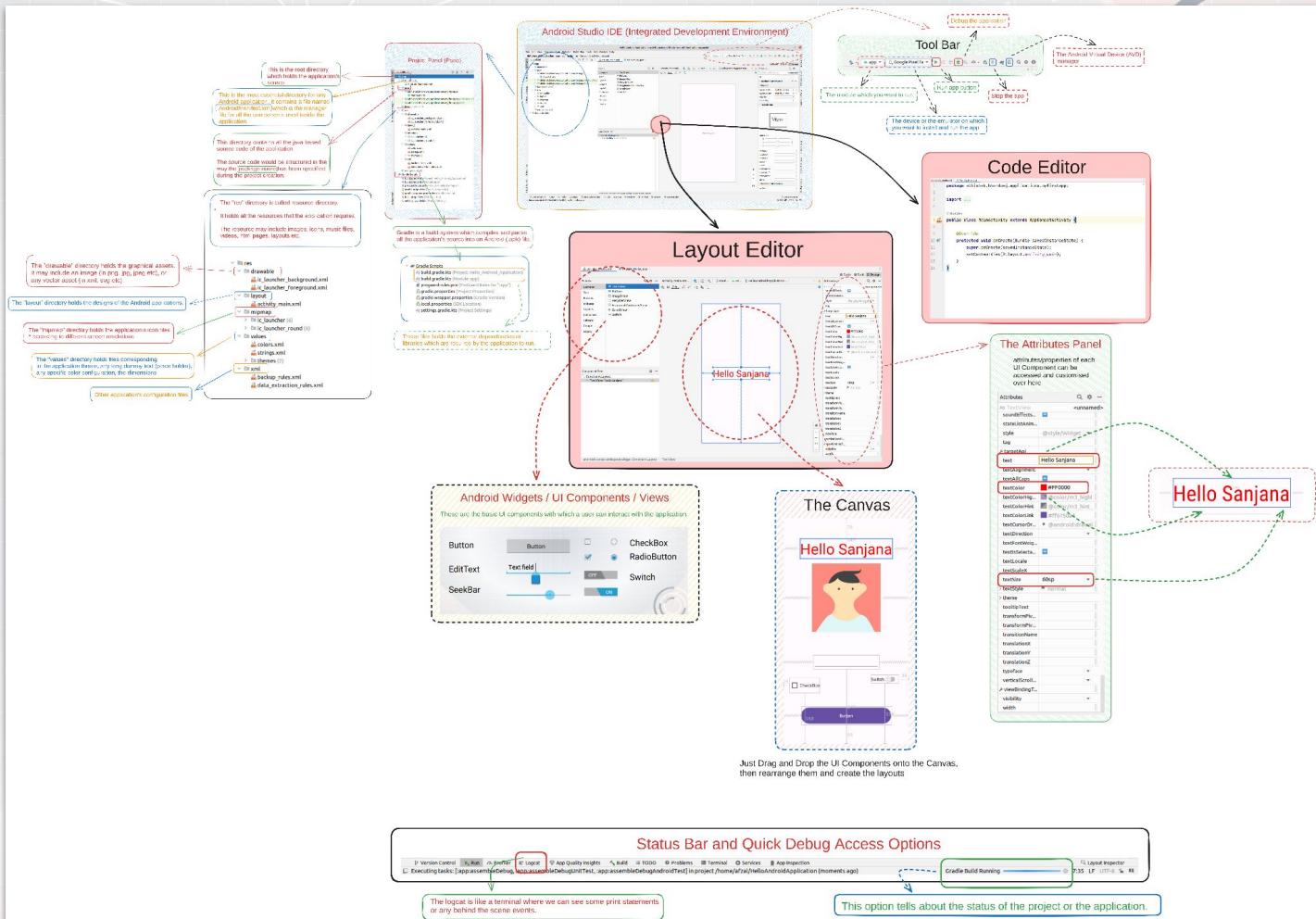
Linear Layout (Horizontal)



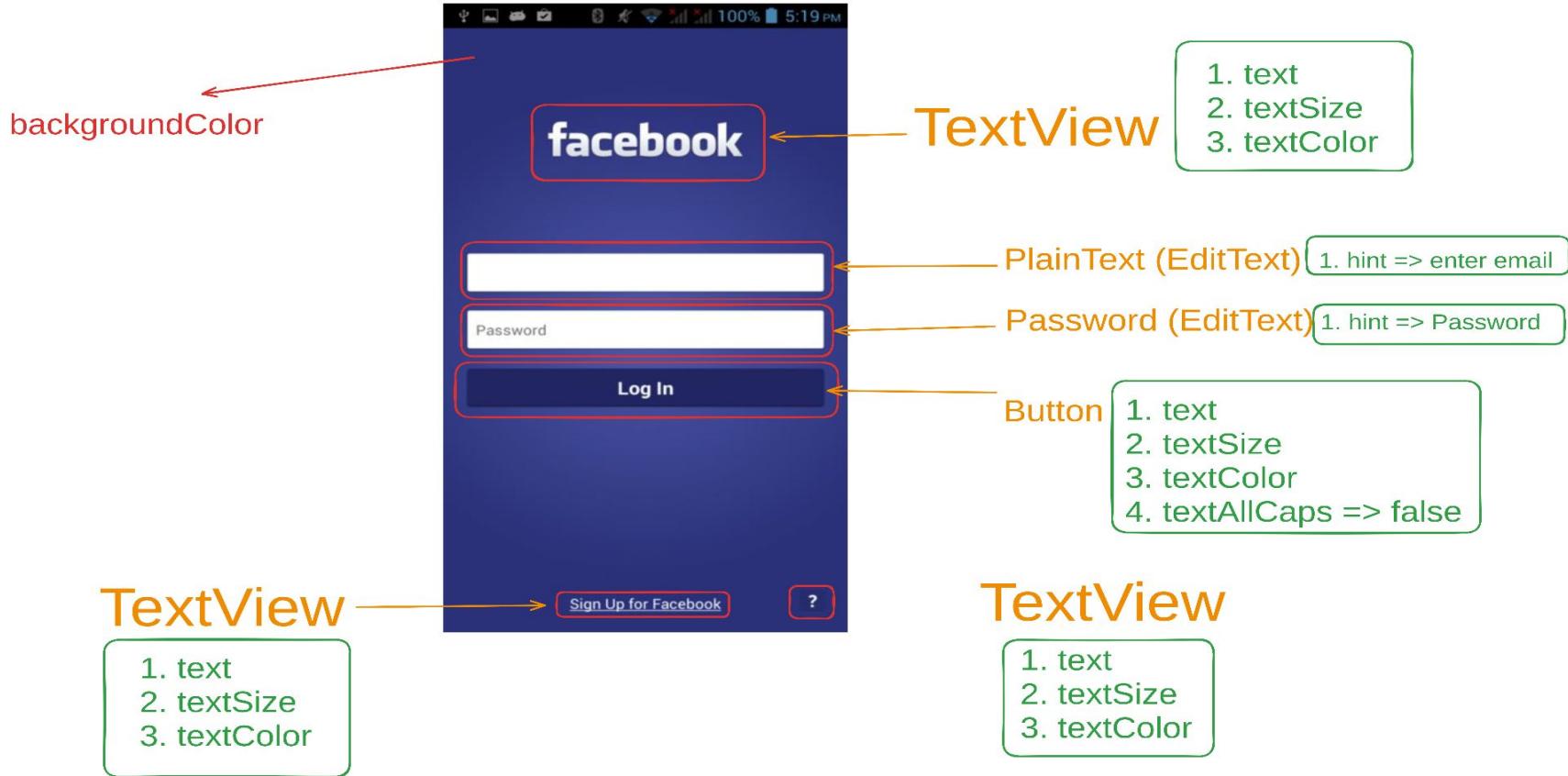
Relative Layout



Android Studio IDE

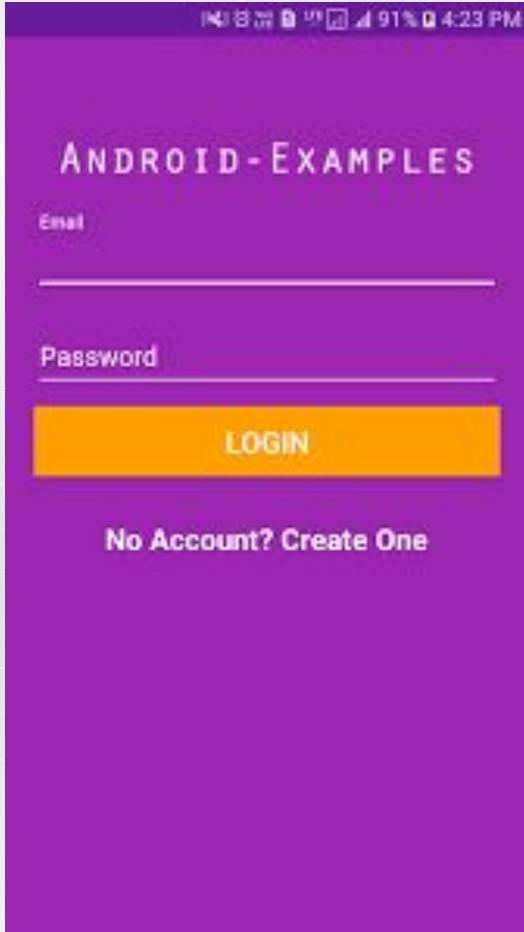


FB Layout

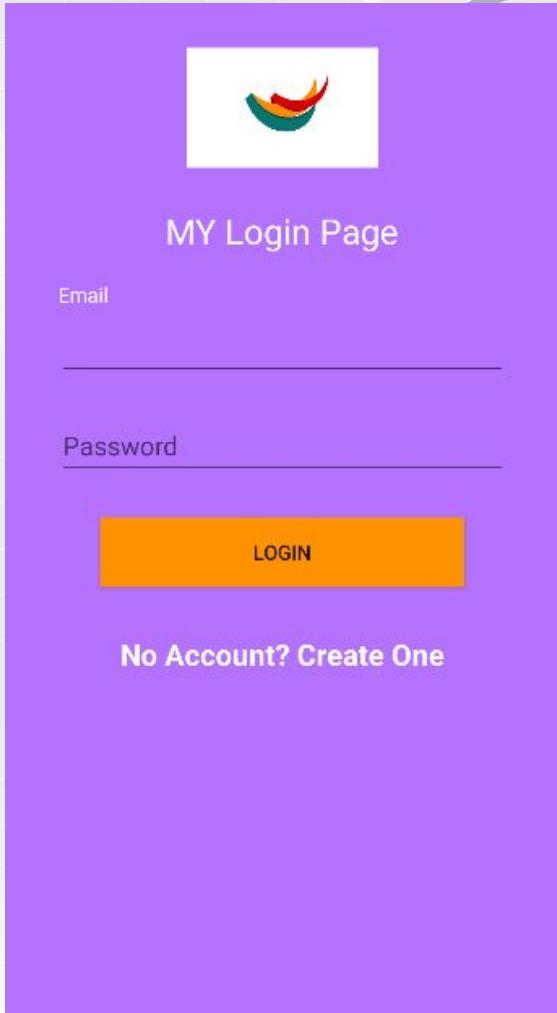


How to make the textView's text underlined in Android?

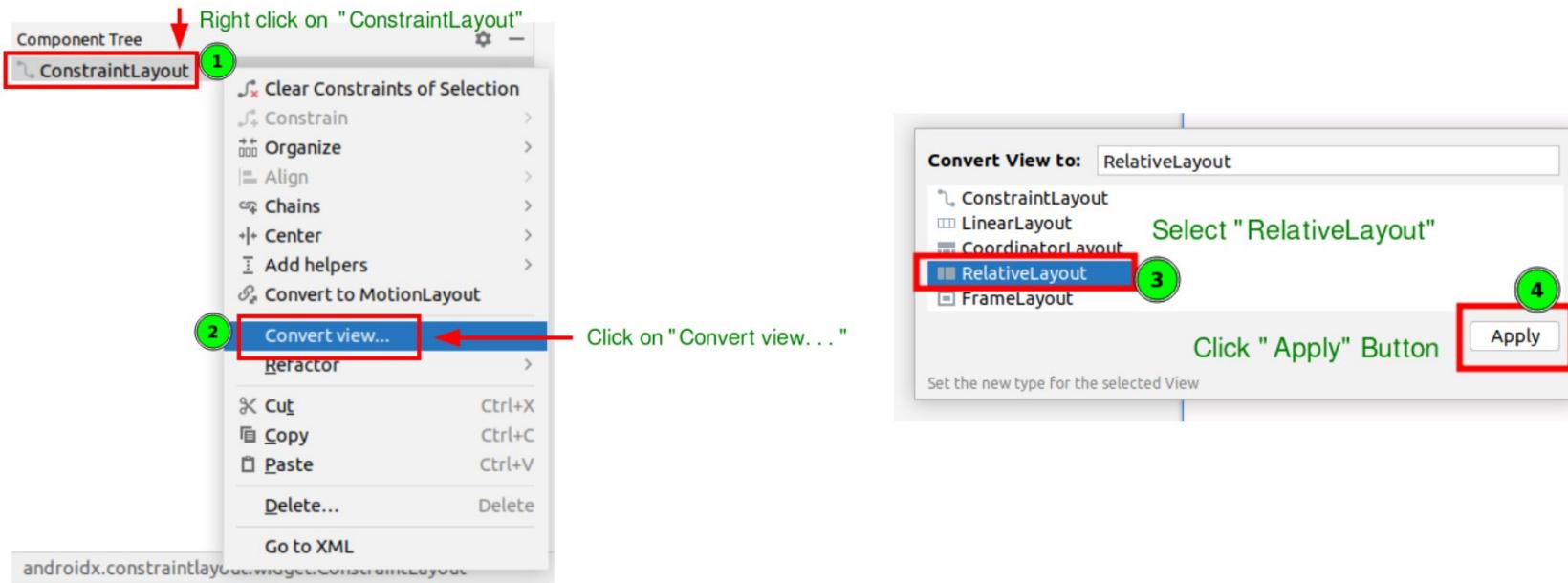
Basic Login Page Concept



Basic Login Page Concept

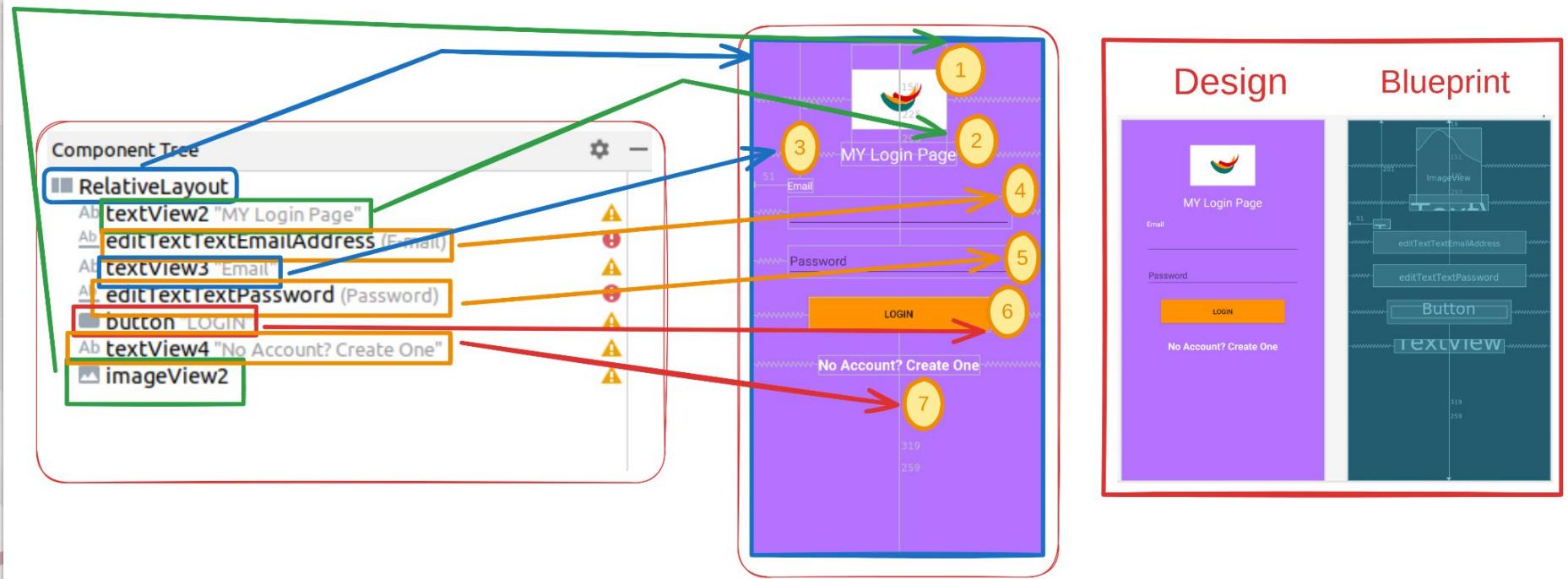


Changing the Root layout from Layout Editor

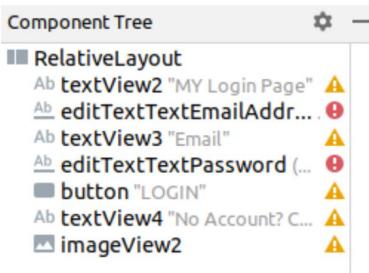
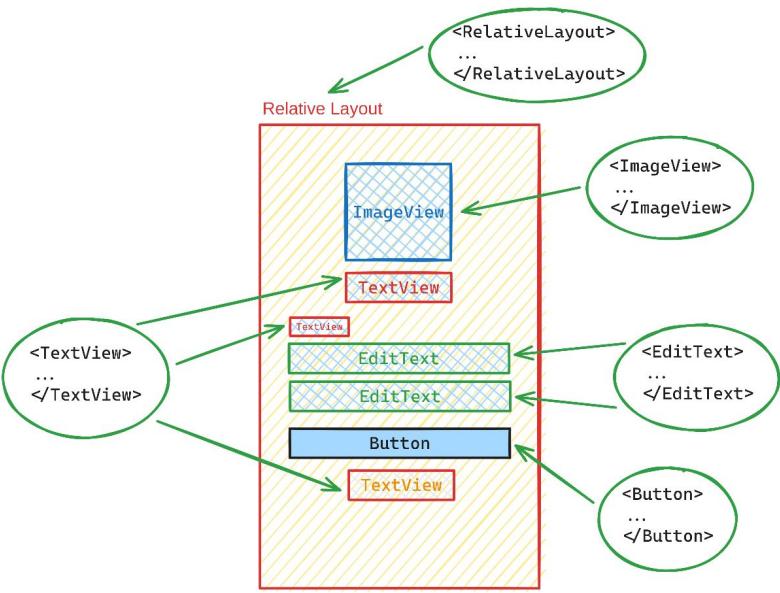
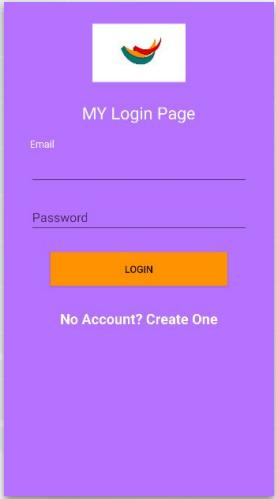


Changing the Default Layout of the Android Application's Activity (Design)

Layout Component Tree



Abstract View of a Login Page



XML Code is used to implement the Design

```
<RelativeLayout>
    <ImageView>
        ...
    </ImageView>

    <TextView>
        ...
    </TextView>

    <EditText>
        ...
    </EditText>

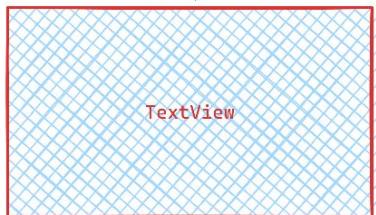
    <EditText>
        ...
    </EditText>

    <Button>
        ...
    </Button>

    <TextView>
        ...
    </TextView>
</RelativeLayout>
```

Widget Declaration in the XML layout

MY Login Page



Attributes of TextView

- * "text" → "MY Login Page"
- * "textColor" → "#FFFFFF"
- * "textSize" → "34sp" (Scale-Independent-Pixels)
- * "layout_height" → "50dp" (Density-Independent-Pixels)
- * "layout_width" → "150dp"

```
<TextView  
    android:id="@+id/my_text_view"  
    android:text = "MY Login Page"  
    android:textColor= "#FFFFFF"  
    android:textSize = "34sp"  
    android:layout_height = "50dp"  
    android:layout_width = "150dp"  
/>  
-</TextView>
```

Optional
(Not required to mention)

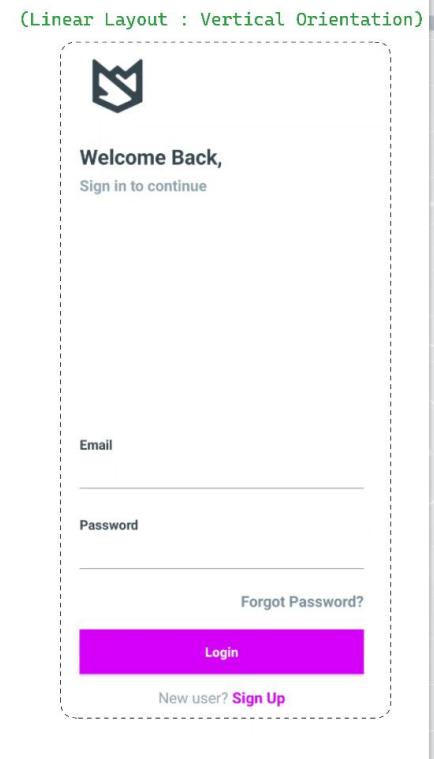
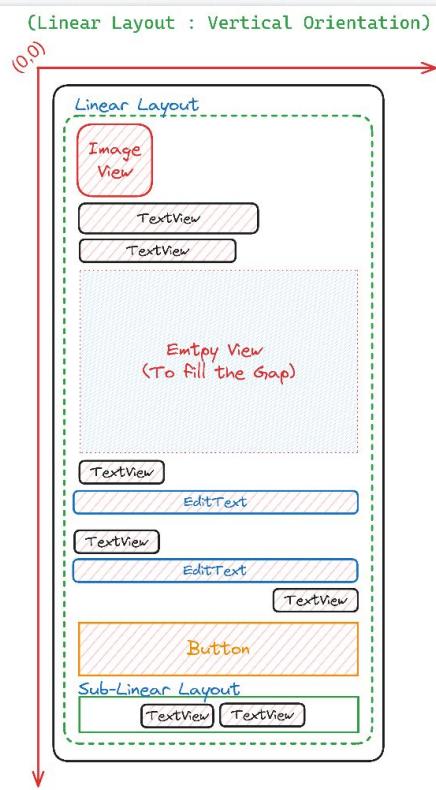
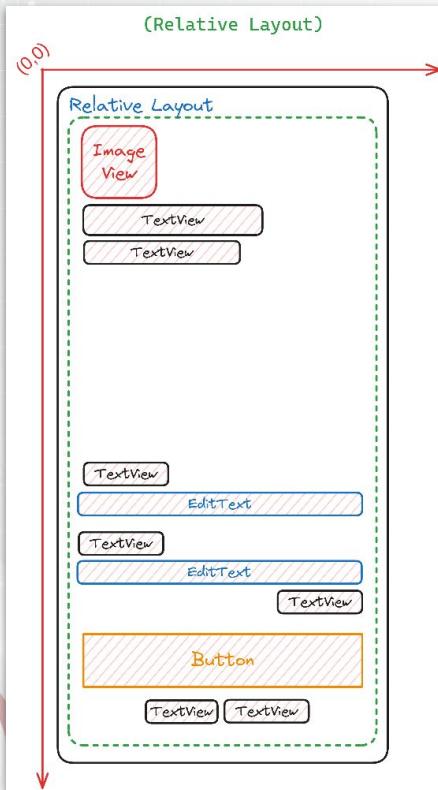
XML Code Representation of a widget

Diagram illustrating the components of an XML attribute declaration:

- "android" keyword (Separator)
- :
- property-name or attribute-name (text)
- =
- value in quotes ("")

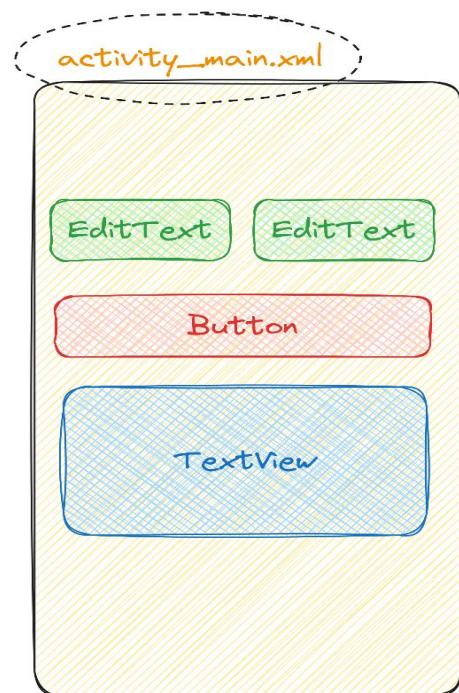
The diagram shows the XML attribute "android:text = "MY Login Page"" with each component highlighted and connected by arrows to the corresponding parts in the XML code.

Linear Layout Example



The “Activity” Component

res->layouts->activity_main.xml



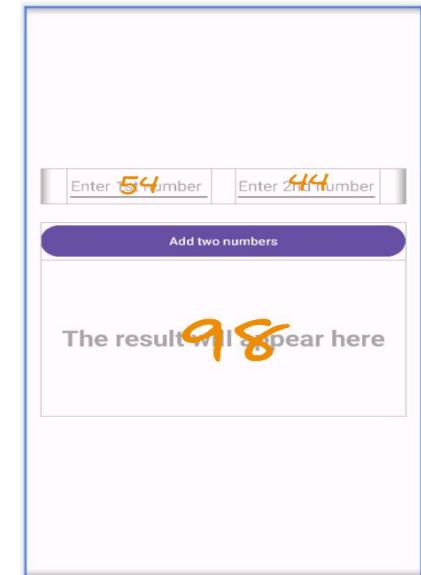
java->package-name->MainActivity.java



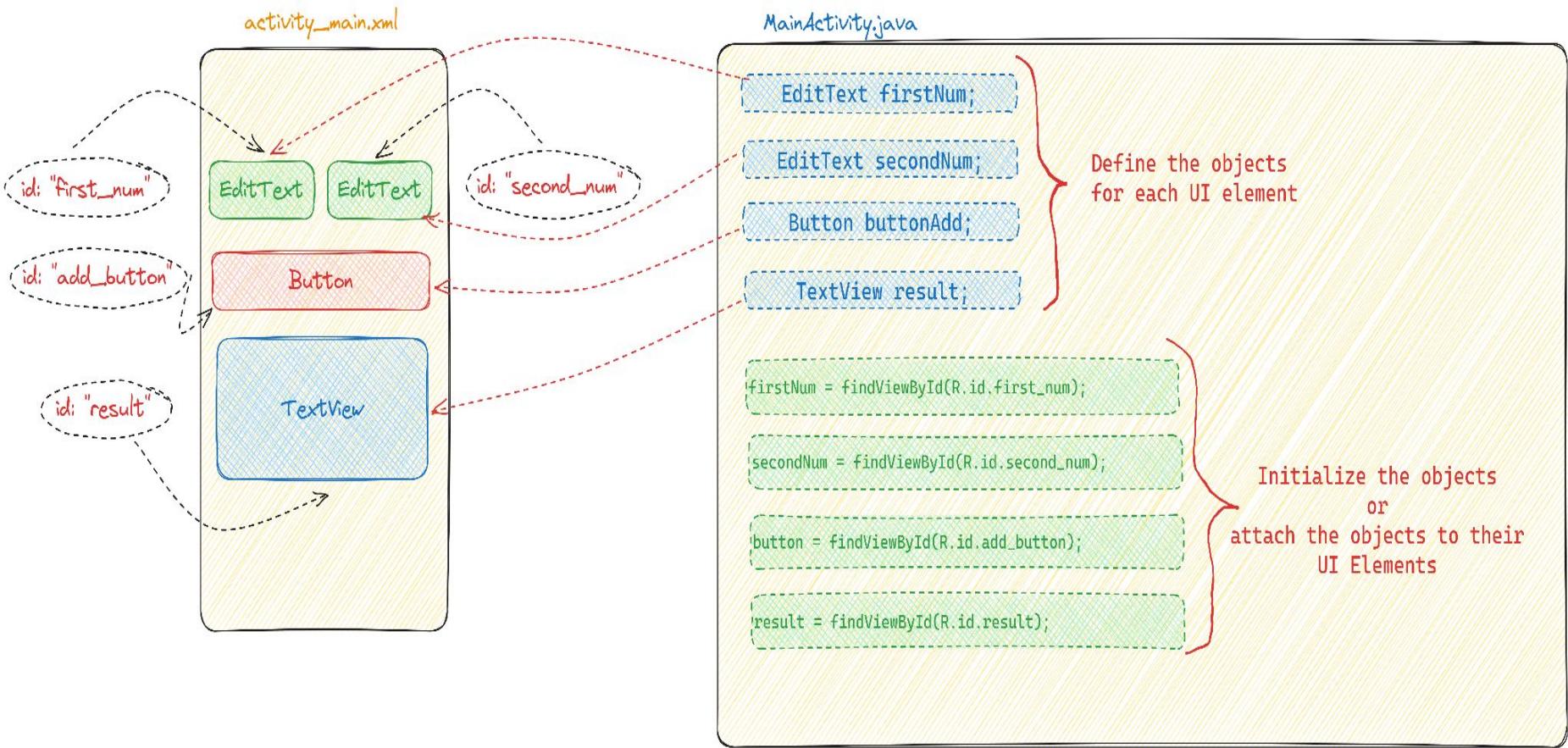
The Design Aspects (.xml file)

The Logical Aspects (.java file)

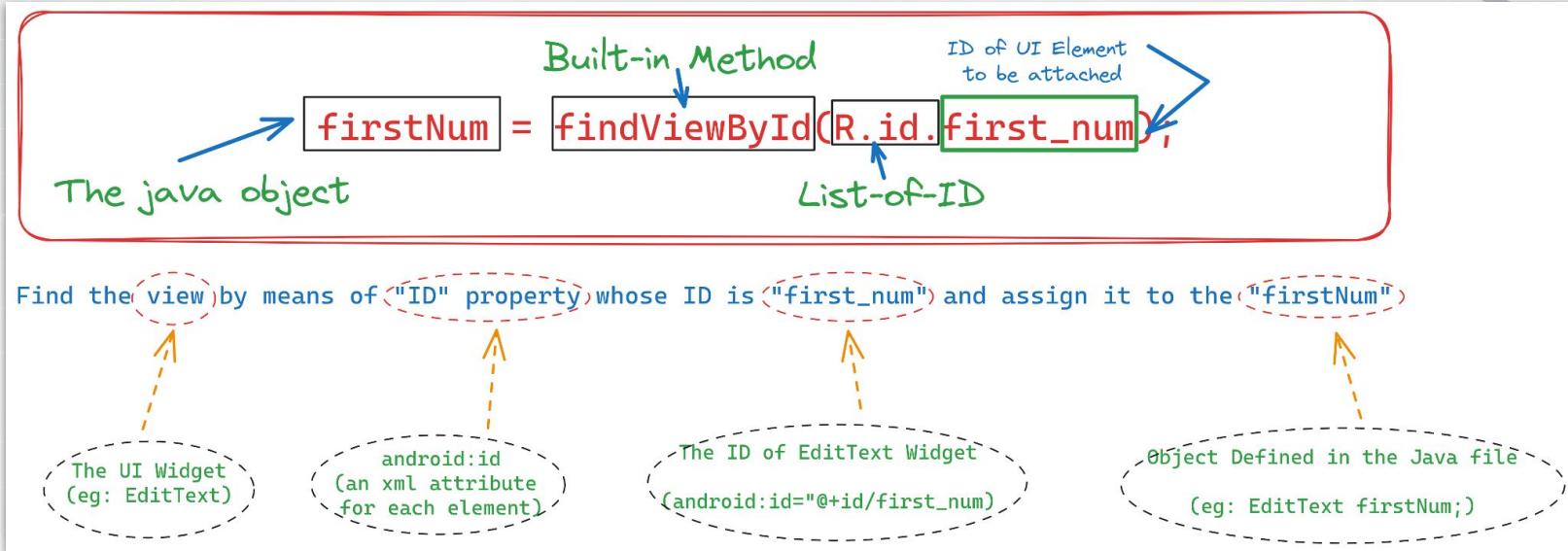
Final Output: The “Activity”



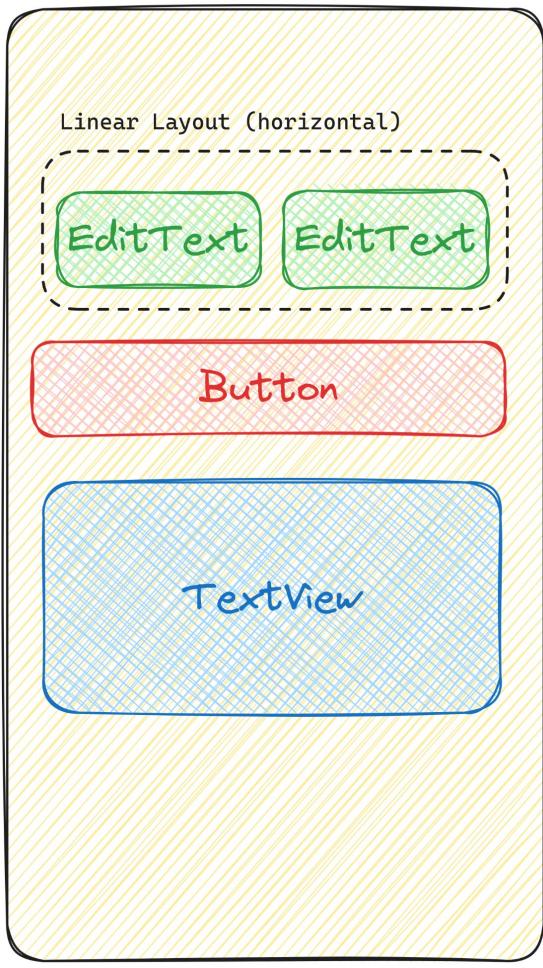
Linking Layout with Logic



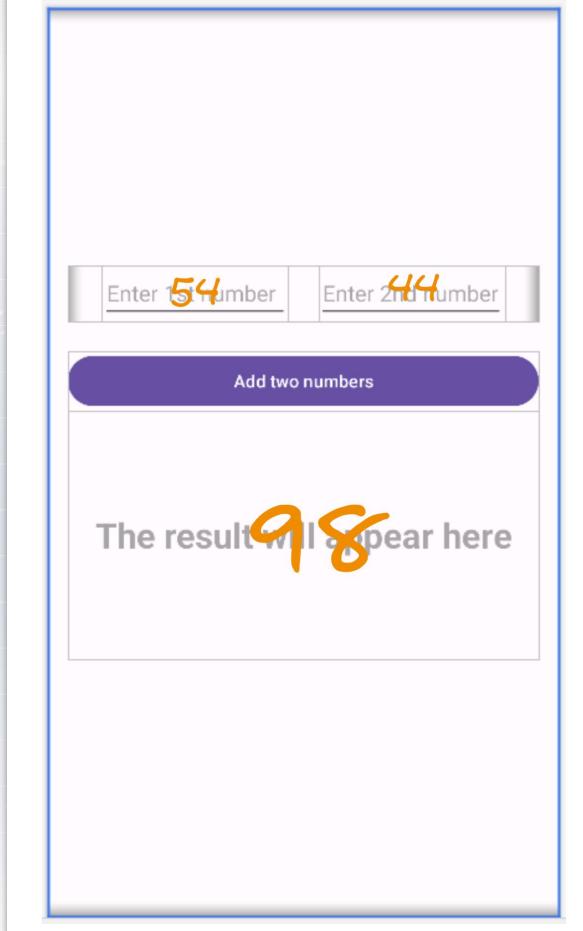
findViewById() method



Linear Layout (vertical)



Final Output: The "Activity"



Jagged Arrays

Jagged Arrays

- AKA Array Of Arrays
- `int[] []ml = new int[4] []`

```
int[] []ml = new int[4] [];
ml[0]= new int[6];
ml[1]= new int[4];
ml[2]= new int[4];
ml[3]= new int[5];
```

`ml` →

0,0	0,1	0,2	0,3	0,4	0,5
1,0	1,1	1,2	1,3		
2,0	2,1	2,2	2,3		
3,0	3,1	3,2	3,3	3,4	

Email:
android@mail.com
Password: **Abcd@123**



Welcome Back,
Sign in to continue

Email

Enter your email here

Password

Enter your password here

[Forgot Password?](#)

Login

New user? [Sign Up](#)

Radio Buttons

Select your state from below options.

- Telangana
- Andhra Pradesh
- Kerala

Check State

Check Boxes

Select Your favourite meal!!

- Pizza
- Cold drink
- Burger

Check Meals

← Sign Up

⋮

Full Name

Username

Email

Password

Re-type Password

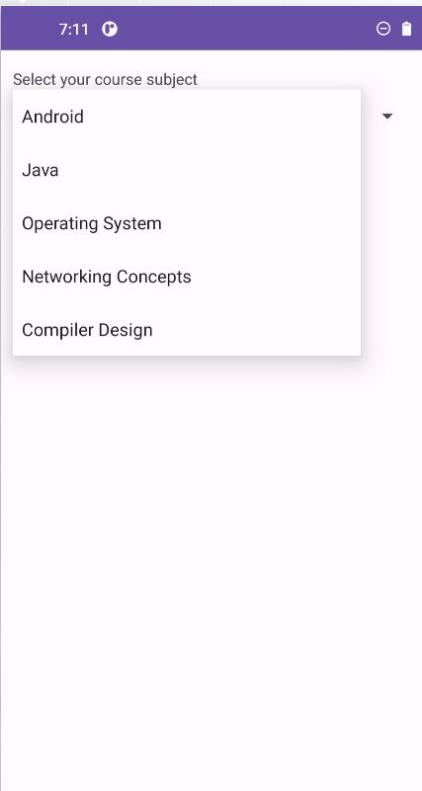
Gender

- Female
- Male

REGISTER

REGISTER WITH FACEBOOK

Spinner



ListView

ListViewExample

Java

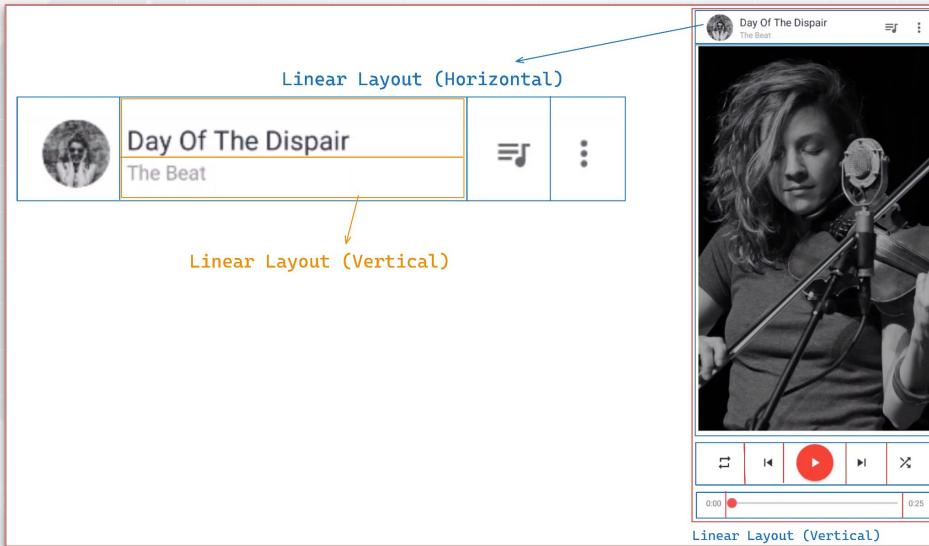
Android

Operating Systems

Machine Learning

C Programming

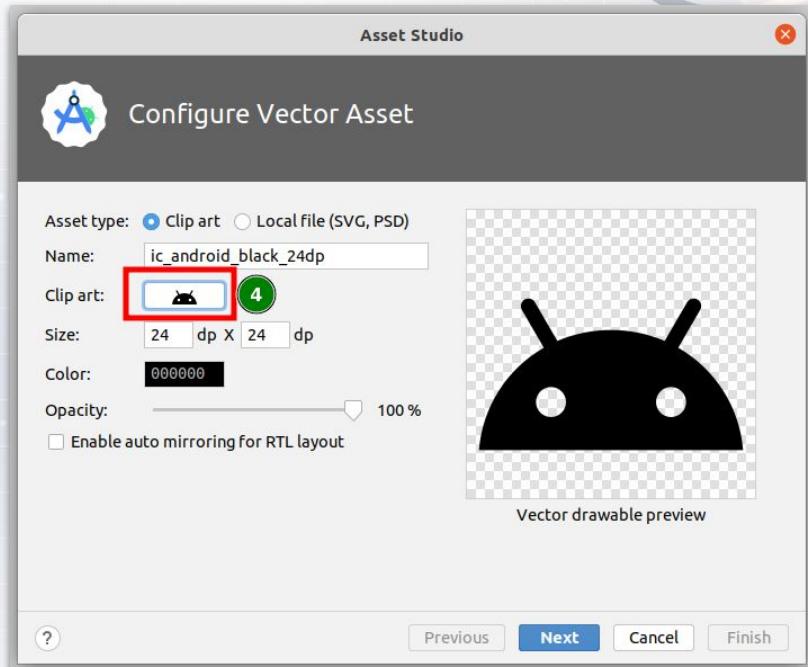
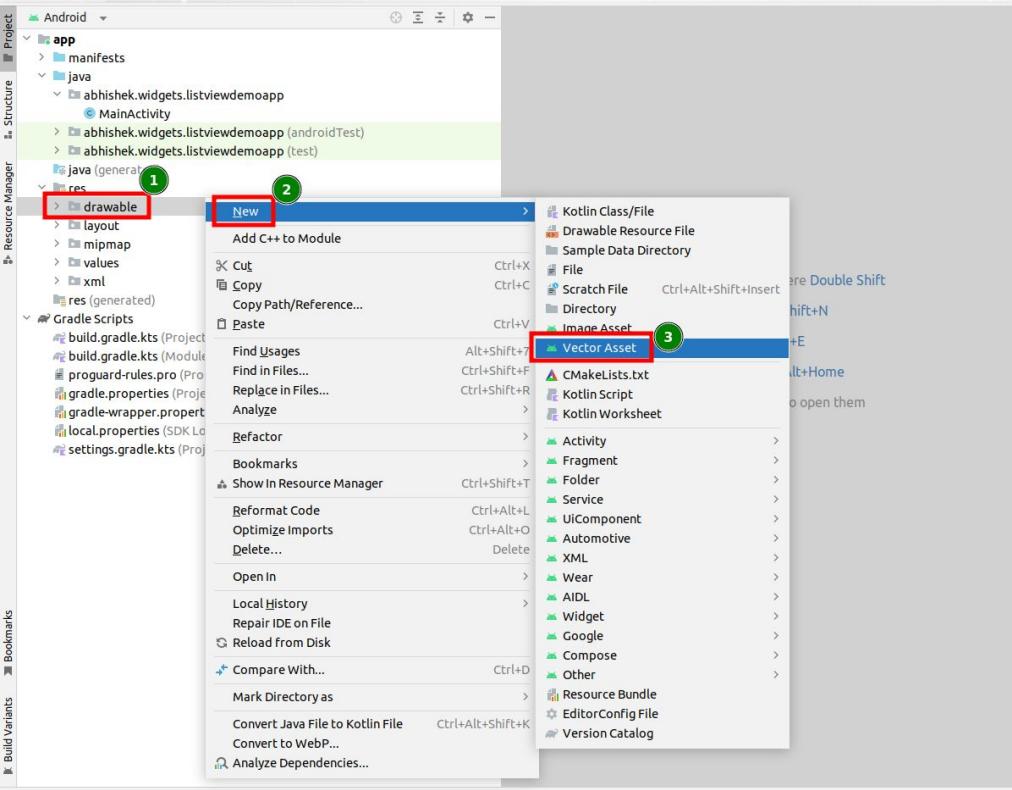
UI Analysis



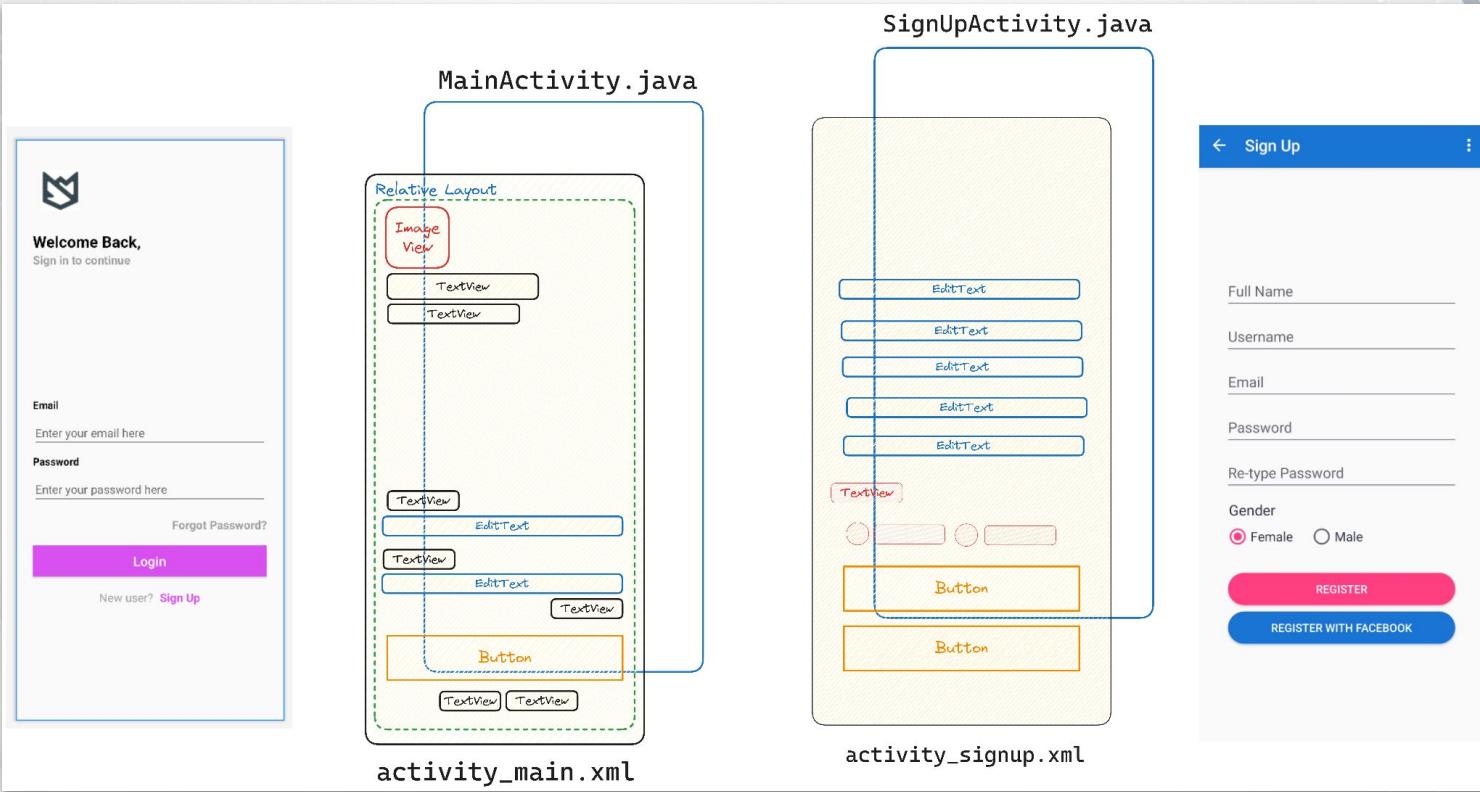
The screenshot shows a user profile for "Julianne Carter", a Photographer. At the top, there's a navigation bar with three icons: a menu icon, a search icon, and a profile icon. Below the navigation bar, the user's name "Julianne Carter" and title "Photographer" are displayed. To the right of the name is a circular profile picture of a woman. A red dashed box highlights this section, with a red arrow pointing from the text "Linear Layout (Horizontal)". Below the profile picture, there are three numerical values: "1.5 K", "17.8 K", and "1.3 K", each with a corresponding color-coded background: light blue, light orange, and light green respectively. A red dashed box highlights this row, with a red arrow pointing from the text "Linear Layout (Horizontal)". Below these statistics is a text block containing placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam efficitur ipsum in placerat molestie. Fusce quis mauris a enim sollicitudin". Further down, there are several data fields: "Website" (visual-photo.me), "Email" (juliana.c@mail.com), "Phone" (022)77723287), "Location" (United State), "Zip Code" (6525), and "Address" (160th St, Fresh Meadows, NY, 11365). A red dashed box highlights this section, with a red arrow pointing from the text "Linear Layout (Vertical)". At the bottom right of the profile page is a green circular button with a white person icon, labeled "Floating Button".

Adding Icons

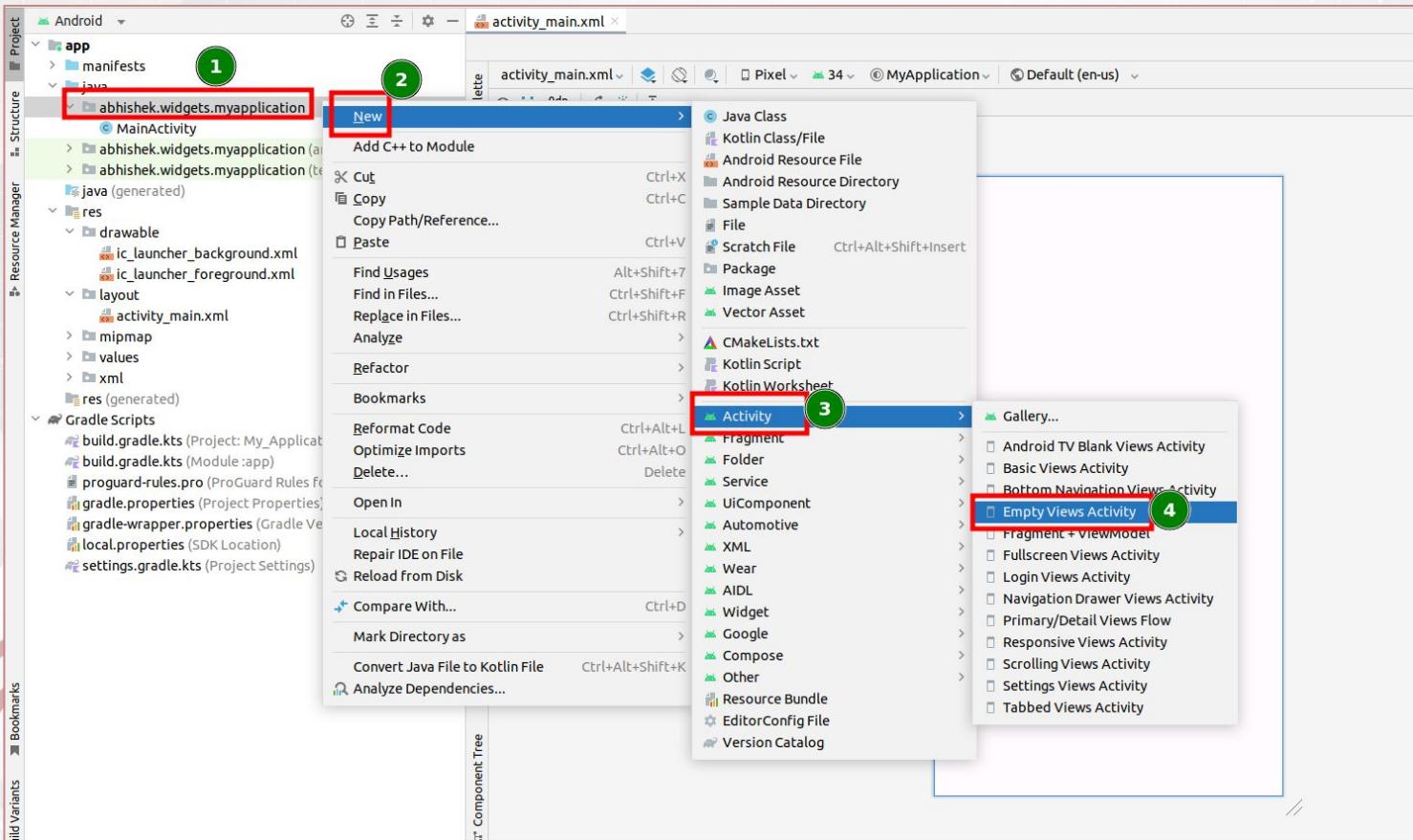
Right click on “drawable” folder



Multiple Activities

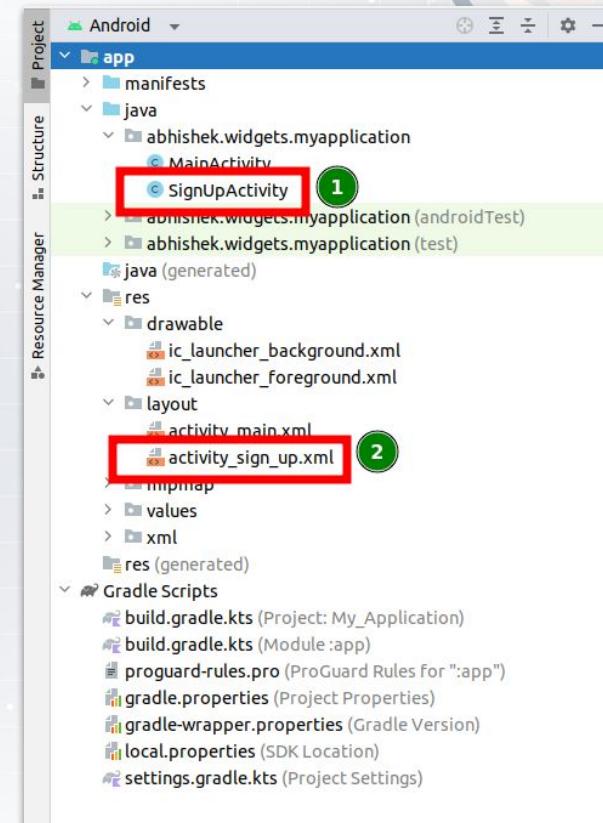
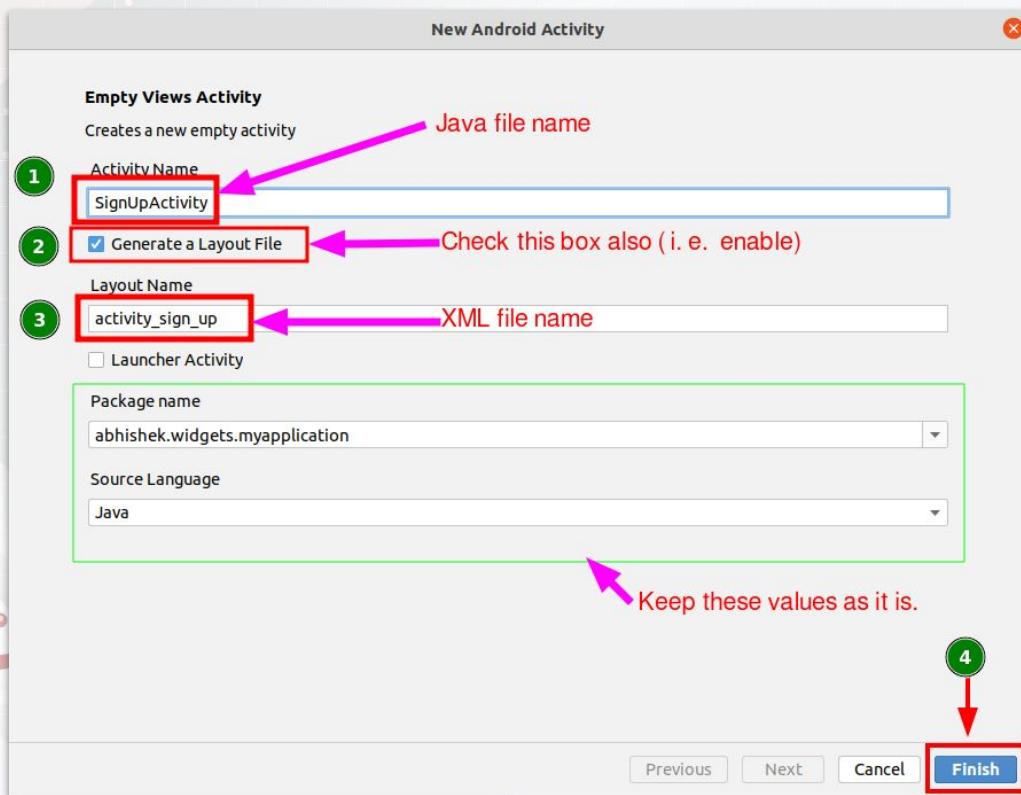


Multiple Activities

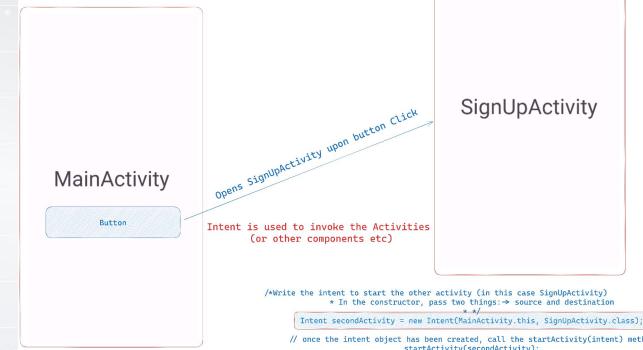


Right click on
<package-name>
folder present inside
the java folder

Multiple Activities



Multiple Activities



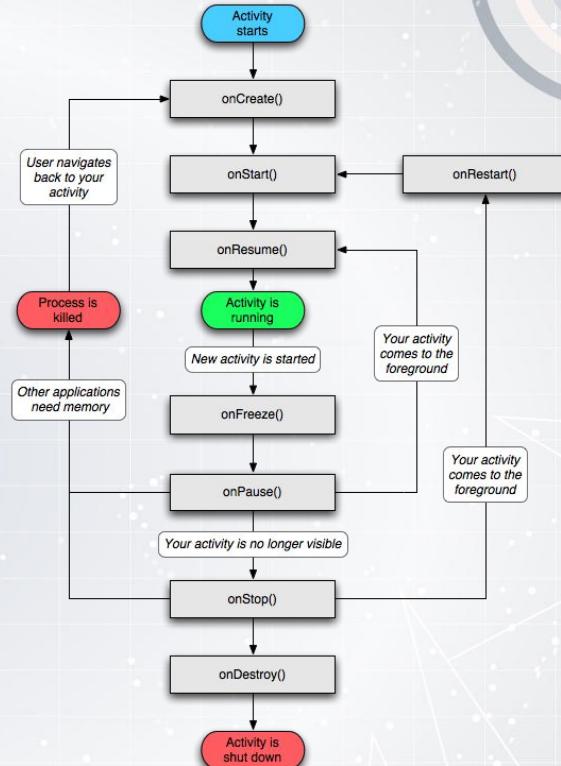
```
/*Write the intent to start the other activity (in this case
SignUpActivity)
* In the constructor, pass two things:-> source and destination
*/
Intent secondActivity = new Intent(MainActivity.this,
SignUpActivity.class);

// once the intent object has been created, call the
startActivity(intent) method
startActivity(secondActivity);
```

Log Statements

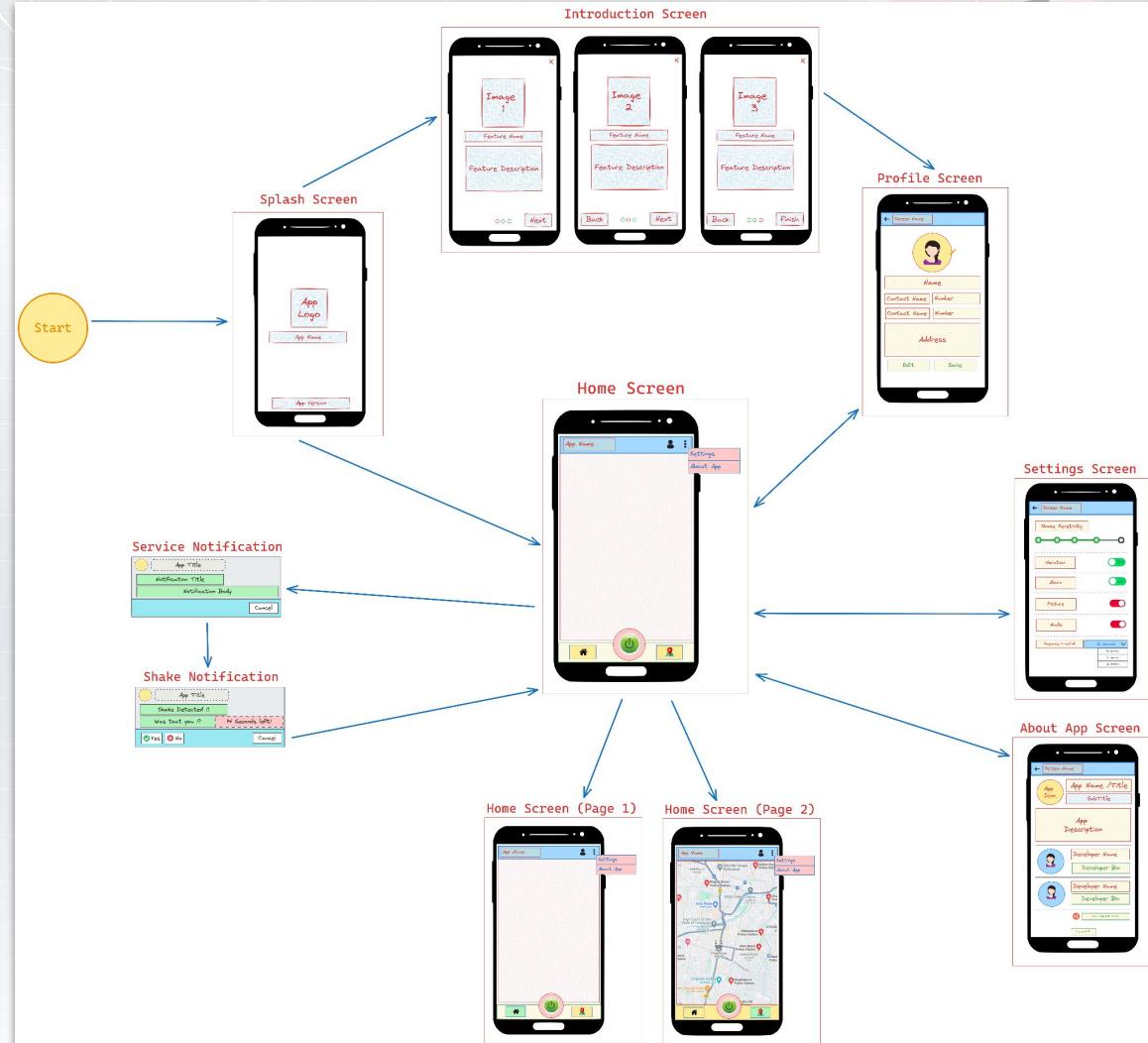
```
Log.v(); // Verbose  
Log.d(); // Debug  
Log.i(); // Info  
Log.w(); // Warning  
Log.e(); // Error
```

Activity Lifecycle

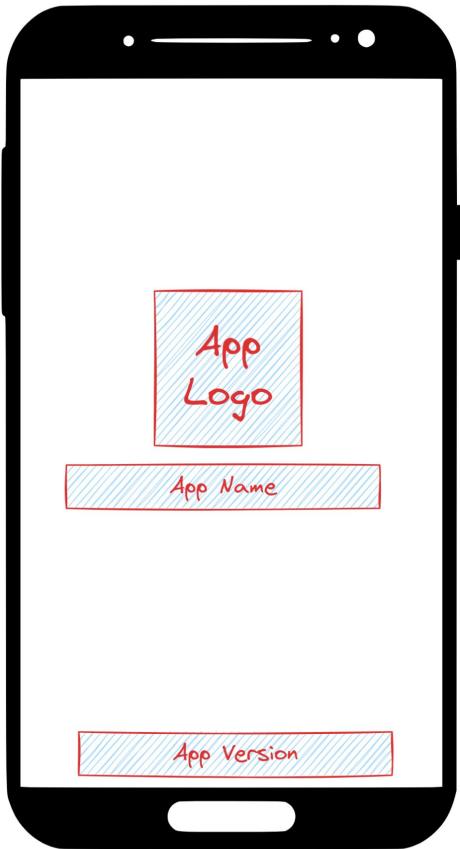


We Safe App

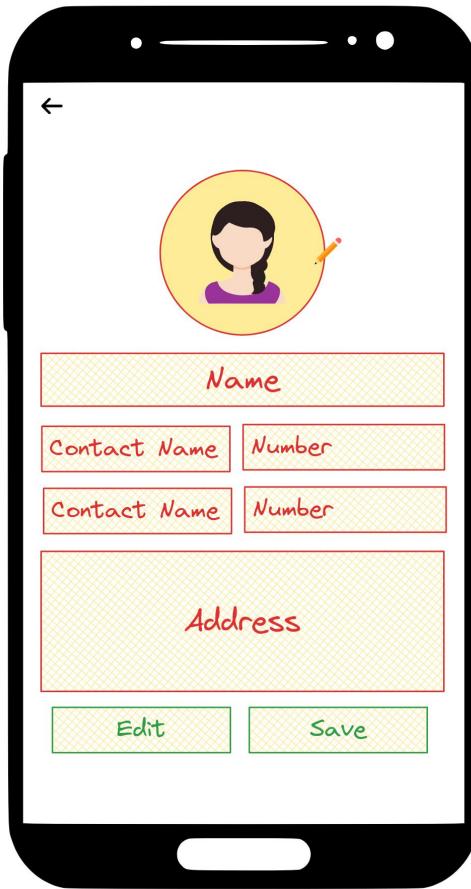
Conceptual Design



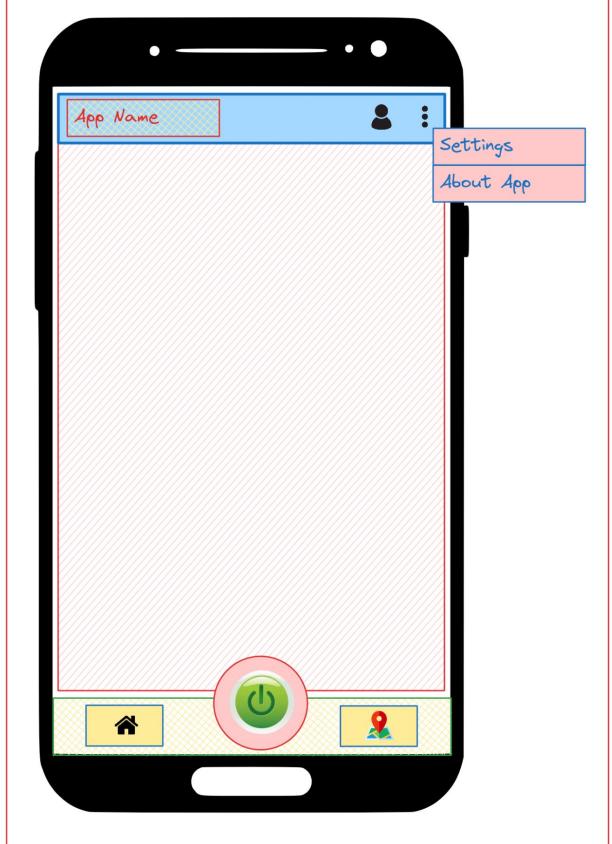
Splash Screen



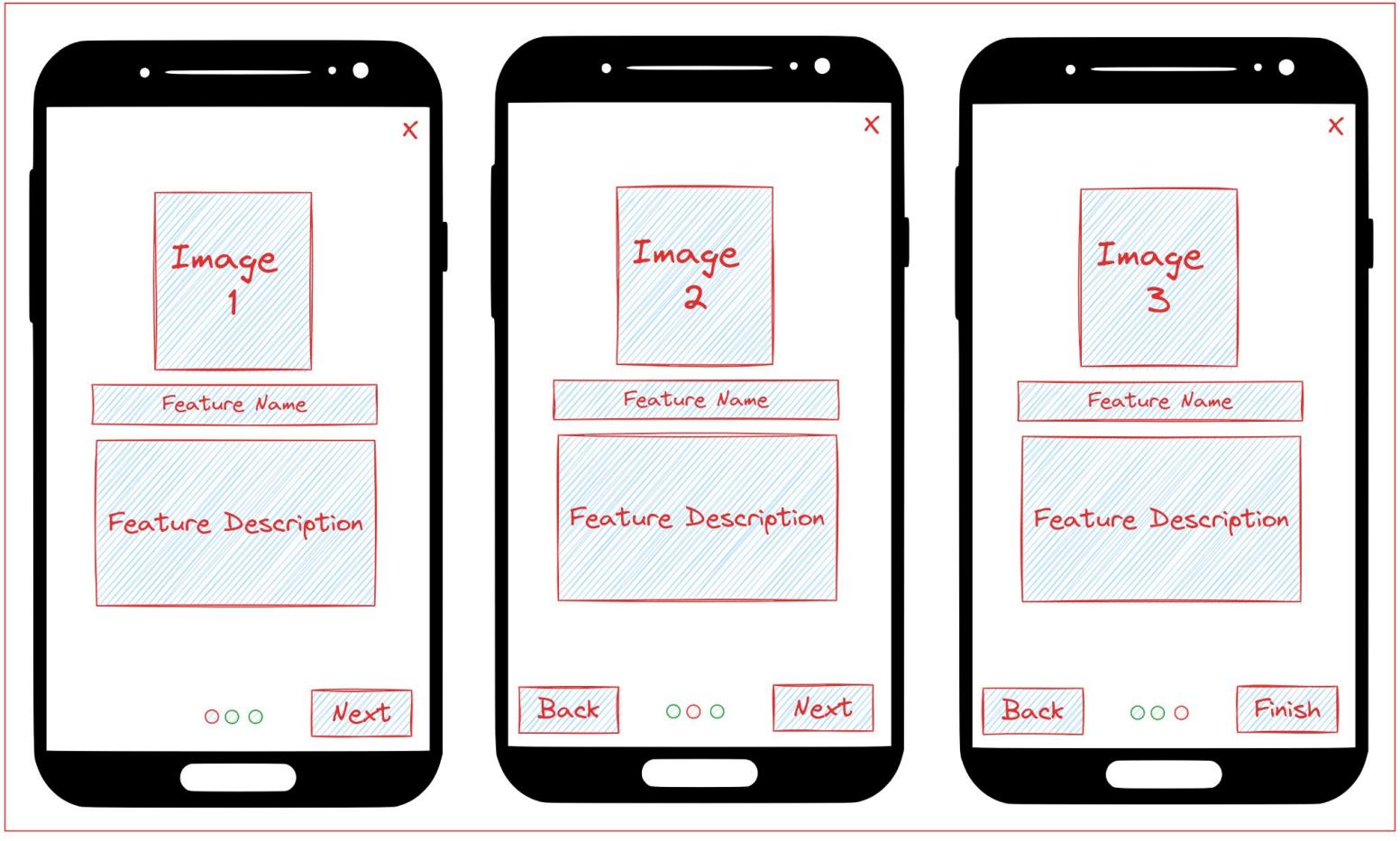
Profile Screen



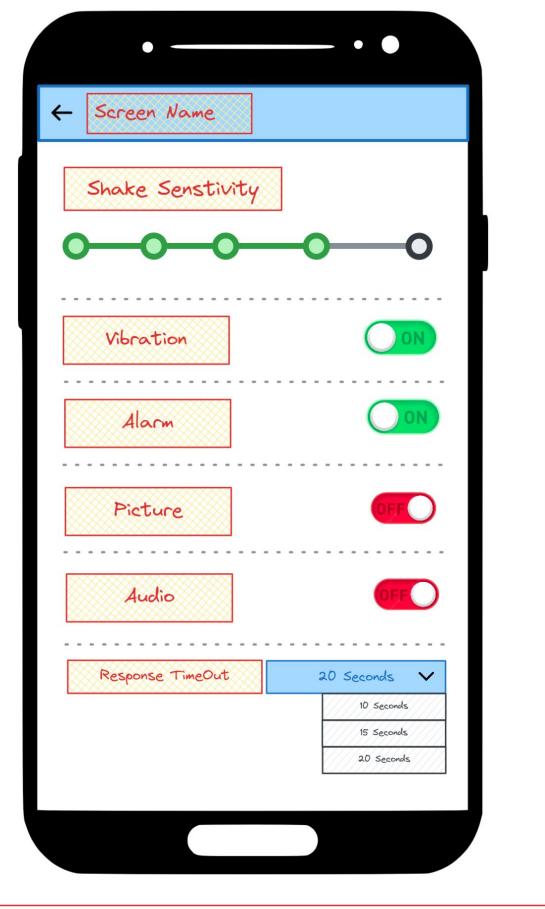
Home Screen



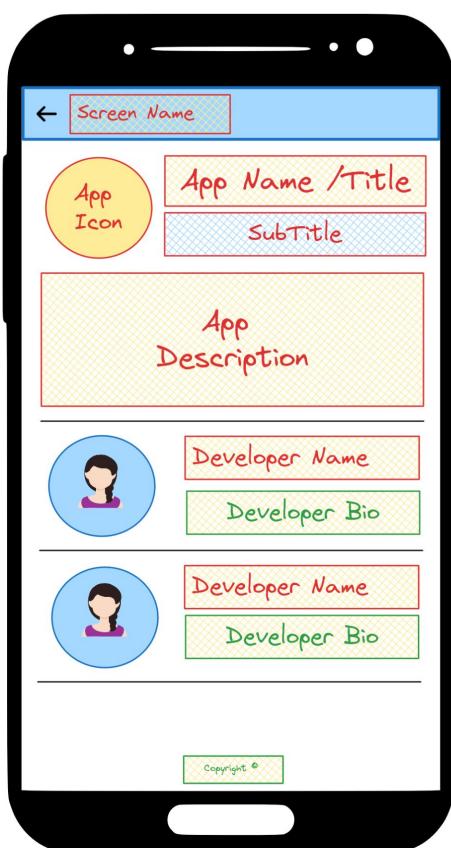
Introduction Screen



Settings Screen



About App Screen



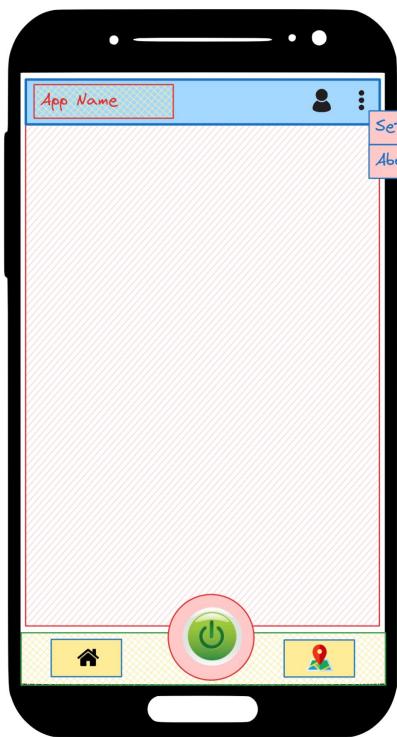
Service Notification



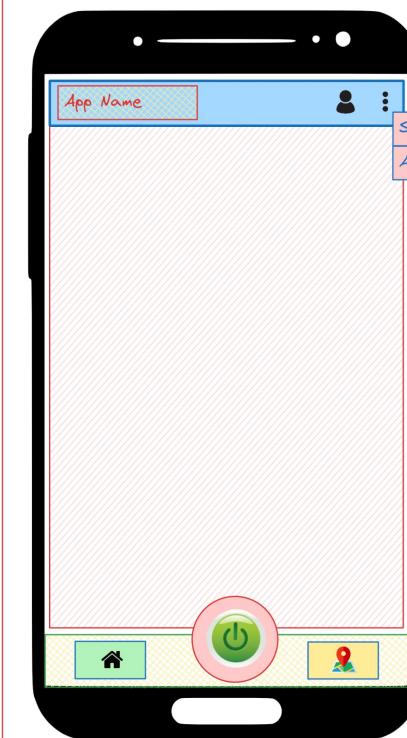
Shake Notification



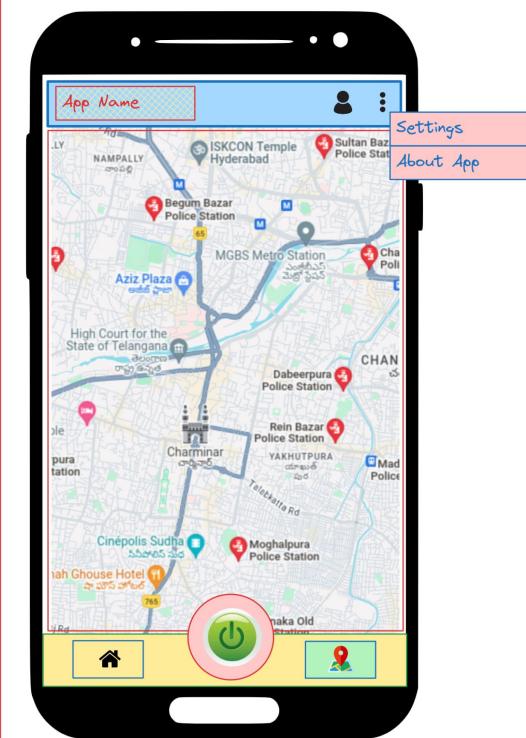
Home Screen

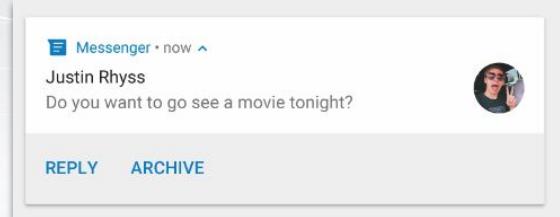


Home Screen (Page 1)

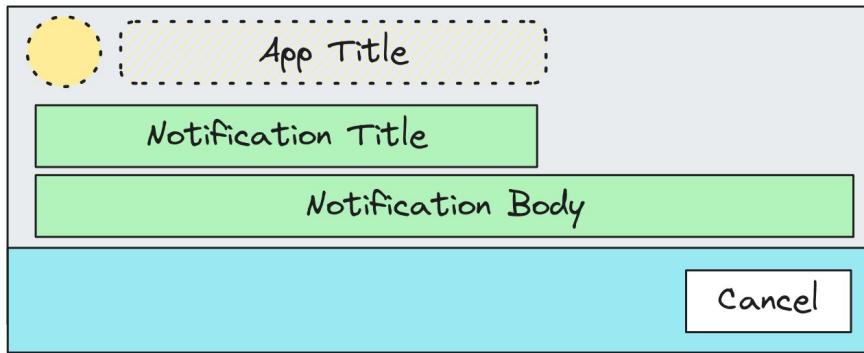


Home Screen (Page 2)

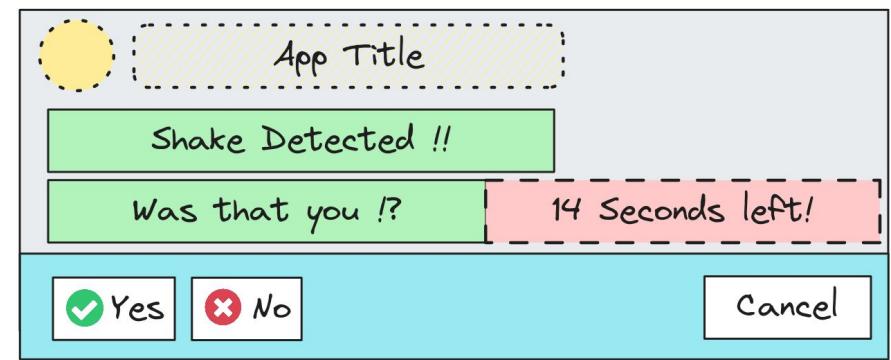




Service Notification



Shake Notification





Material X Application

MaterialX - Material Design UI

Dream Space

4.2★
2.9K reviews

100K+
Downloads

Everyone
G

Install on more devices

Share

This app is available for some of your devices

You can share this with your family. [Learn more about Family Library](#)



App support ▾

More apps to try →



Amazon Prime Video
Amazon Mobile LLC
4.2★



Duolingo: Language Lessons
Duolingo
4.7★

<https://play.google.com/store/apps/details?id=com.material.components&hl=en&gl=US&pli=1>

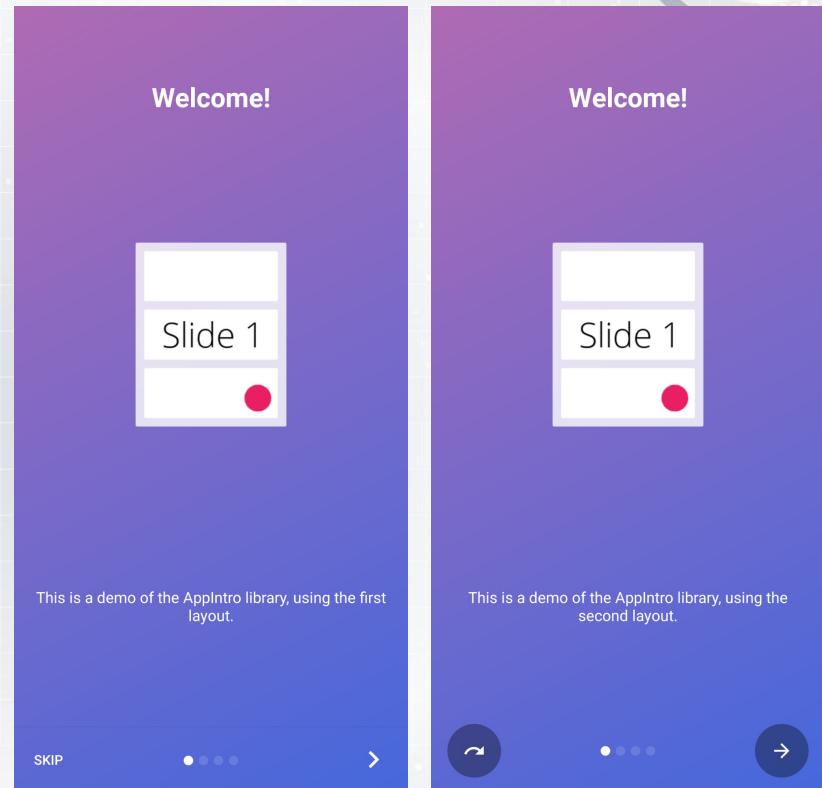
App Intro Library

AppIntro is an Android Library that helps you build a cool carousel intro for your App. AppIntro has support for requesting permissions and helps you create a great onboarding experience in just a couple of minutes.

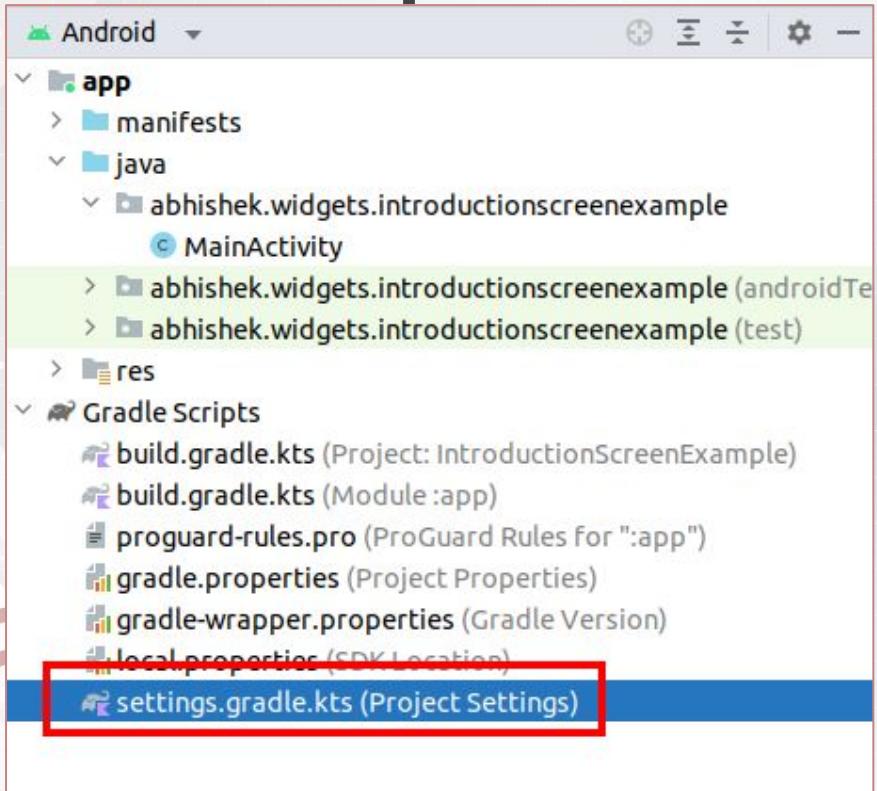
Refer:

<https://github.com/bhardwajAbhi/AppIntroScreen>

<https://github.com/AppIntro/AppIntro>



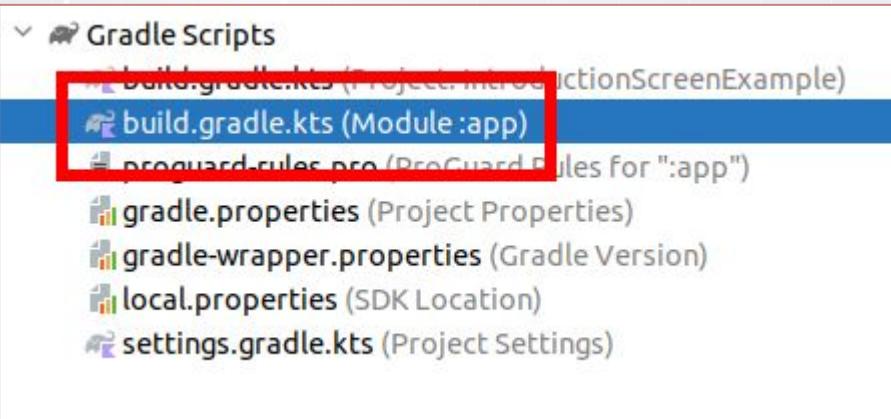
1st Step



```
Gradle files have changed since last project sync. A project sync may be necessary for the IDE to work properly.  
Sync Now | Ignore these changes  
1 pluginManagement { this: PluginManagementSpec  
2     repositories { this: RepositoryHandler  
3         google()  
4         mavenCentral()  
5         gradlePluginPortal()  
6     }  
7 }  
8 dependencyResolutionManagement { this: DependencyResolutionManagement  
9     repositoriesMode.set(RepositoriesMode.FAIL_ON_PROJECT_REPOS)  
10    repositories { this: RepositoryHandler  
11        google()  
12        mavenCentral()  
13        maven { url = uri(path: "https://jitpack.io") }  
14    }  
15 }  
16  
17 rootProject.name = "IntroductionScreenExample"  
18 include(...projectPaths: ":app")  
19 }
```

The screenshot shows the 'settings.gradle.kts' file in the code editor. A line of code, 'maven { url = uri(path: "https://jitpack.io") }', is highlighted with a red box. A callout with the text 'Add the line' points to this highlighted line. In the top right corner, there is a 'Sync Now' button with a red box around it, and another callout with the text 'Click Sync Now' points to this button.

2nd Step



The screenshot shows the build.gradle.kts file in the Android Studio code editor. A yellow bar at the top indicates that Gradle files have changed since the last sync. A red box highlights the 'Sync Now' button. A pink arrow labeled 'Click on Sync Now' points to the button. Another red box highlights the 'implementation ("com.github.AppIntro:AppIntro:4.2.3")' line. A pink arrow labeled 'Add this line' points to this line.

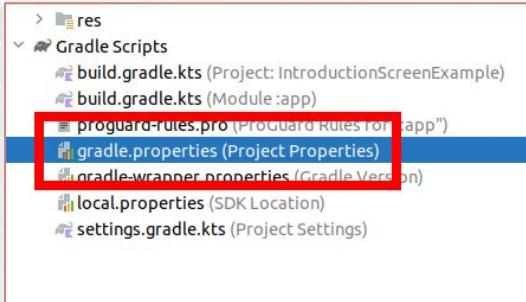
```
buildscript {
    ext.kotlin_version = "1.3.72"
    repositories {
        google()
        jcenter()
    }
    dependencies {
        classpath "org.jetbrains.kotlin:kotlin-gradle-plugin:$kotlin_version"
        classpath "com.google.gms:google-services:4.3.3"
    }
}

apply plugin: "com.android.application"
apply plugin: "kotlin-android"
apply plugin: "kotlin-kapt"
apply plugin: "com.google.gms.google-services"

android {
    compileSdkVersion 29
    defaultConfig {
        applicationId "com.example.introductionscreenexample"
        minSdkVersion 21
        targetSdkVersion 29
        versionCode 1
        versionName "1.0"
        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
    }
    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile("proguard-rules.pro")
        }
    }
}

dependencies {
    implementation "com.github.AppIntro:AppIntro:4.2.3"
    implementation("androidx.appcompat:appcompat:1.6.1")
    implementation("com.google.android.material:material:1.10.0")
    implementation("androidx.constraintlayout:constraintlayout:2.1.4")
    testImplementation("junit:junit:4.13.2")
    androidTestImplementation("androidx.test.ext:junit:1.1.5")
    androidTestImplementation("androidx.test.espresso:espresso-core:3.5.1")
}
```

3rd Step



The 'gradle.properties' file content:

```
1 # Project-wide Gradle settings.
2 # IDE (e.g. Android Studio) users:
3 # Gradle settings configured through the IDE *will override*
4 # any settings specified in this file.
5 # For more details on how to configure your build environment visit
6 # http://www.gradle.org/docs/current/userguide/build_environment.html
7 # Specifies the JVM arguments used for the daemon process.
8 # The setting is particularly useful for tweaking memory settings.
9 org.gradle.jvmargs=-Xmx2048m -Dfile.encoding=UTF-8
10 # When configured, Gradle will run in incubating parallel mode.
11 # This option should only be used with decoupled projects. More details, visit
12 # http://www.gradle.org/docs/current/userguide/multi_project_builds.html#sec:decoupled_projects
13 # org.gradle.parallel=true
14 # AndroidX package structure to make it clearer which packages are bundled with the
15 # Android operating system, and which are packaged with your app's APK
16 # https://developer.android.com/topic/libraries/support-library/androidx-rn
17 android.useAndroidX=true
18 # Enables namespace of each library's R class so that its R class includes only the
19 # resources declared in the library itself and none from the library's dependencies,
20 # thereby reducing the size of the R class for that library
21 android.nonTransitiveRClass=true
22
23 android.enableJetifier=true
```

Annotations:

- A red box highlights the line 'android.enableJetifier=true' at the bottom of the code.
- A red arrow points from the text 'Add this line' to the highlighted line.
- A red box highlights the 'Sync Now' button in the top right corner of the editor.
- A red arrow points from the text 'Click on Sync Now' to the 'Sync Now' button.
- A purple circle with the number '1' is placed over the highlighted line.
- A purple circle with the number '2' is placed over the 'Sync Now' button.

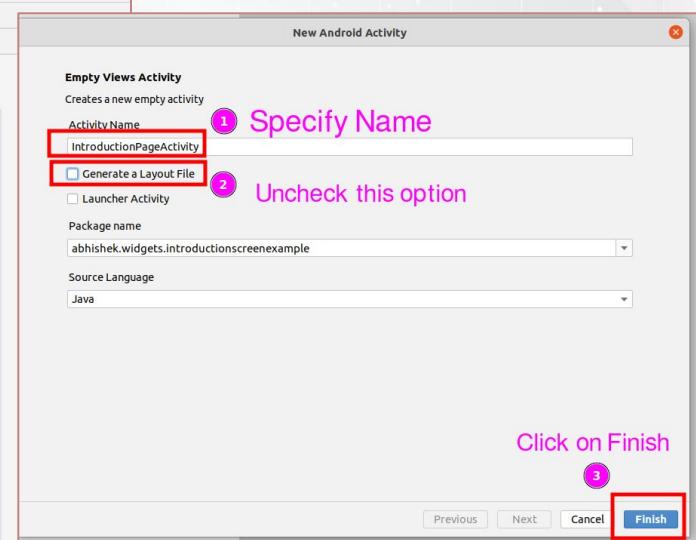
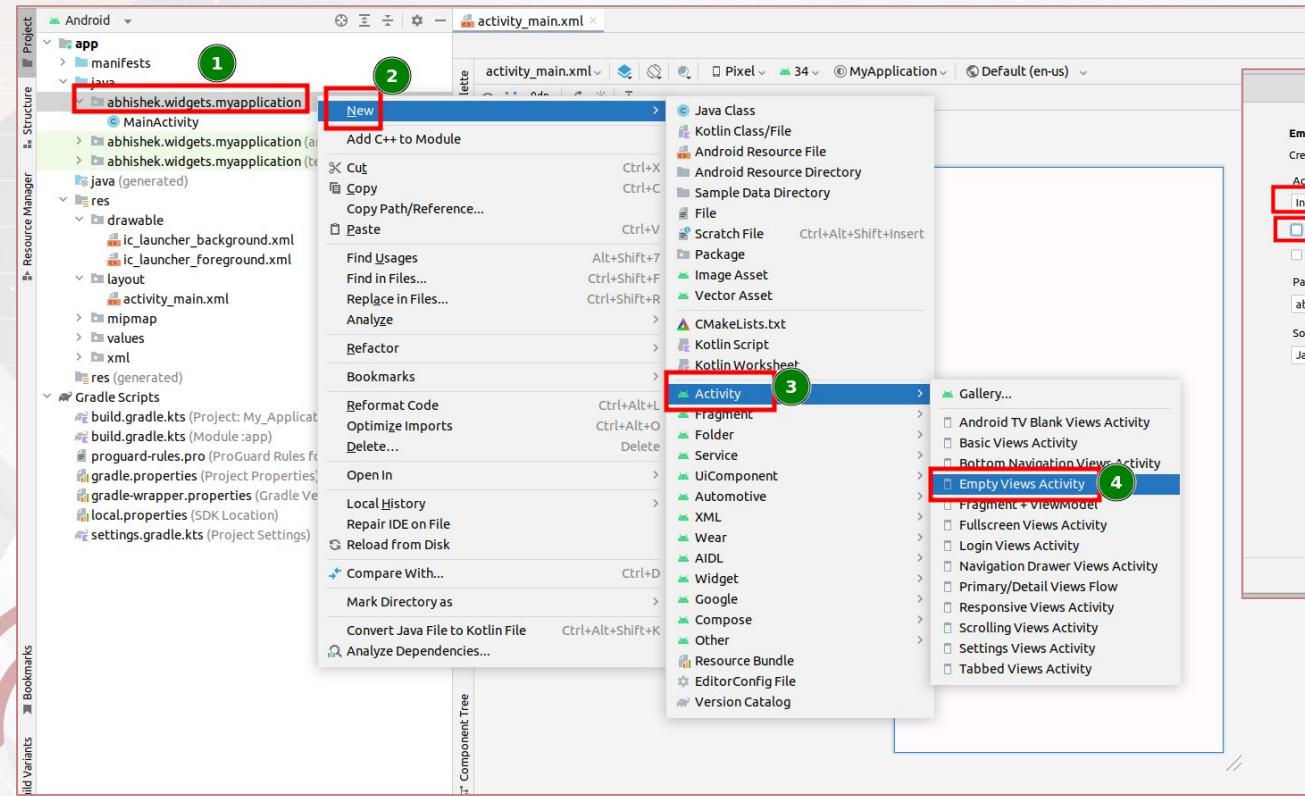
Sync Now Ignore these changes

Click on Sync Now

Add this line

4th Step

Right click on <package-name> folder present inside the java folder



Click on Finish

5th Step

```
1 package abhishek.widgets.introductionscreenexample;
2
3 import ...
4
5 usage
6
7 public class IntroductionPageActivity extends AppCompatActivity {
8
9     @Override
10    protected void onCreate(Bundle savedInstanceState) {
11        super.onCreate(savedInstanceState);
12    }
13
14 }
```

Replace this with " ApplIntro" class

```
2 usages
public class IntroductionPageActivity extends AppIntro {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
  
        //Title, Description, Image, Background Color  
        addSlide(AppIntroFragment.newInstance( title: "First Page",  
                                                description: "Hi There how are you!!",  
                                                R.drawable.ic_home,  
                                                R.color.green  
        ));  
    }  
}
```

6th Step

```
@Override  
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
  
    //Title, Description, Image, Background Color  
    addSlide(AppIntroFragment.newInstance( title: "First Page",  
        description: "Hi There how are you!!",  
        R.drawable.ic_home,  
        R.color.green  
    ));  
  
    1  
    addSlide(AppIntroFragment.newInstance( title: "Second Page",  
        description: "how's everything going",  
        R.drawable.ic_location,  
        R.color.red  
    ));  
  
    2  
    addSlide(AppIntroFragment.newInstance( title: "Third Page",  
        description: "Bye! take care",  
        R.drawable.ic_plane,  
        R.color.yellow  
    ));  
  
    3  
}  
}
```

```
//Title, Description, Image, Background Color  
addSlide(AppIntroFragment.newInstance( title: "First Page", //Title of the slide  
    "Hi There how are you!!", //Description of the slide  
    R.drawable.ic_home, // Icon/Image to be displayed on the slide  
    R.color.green // Background color of the slide  
));
```

7th Step

```
@Override  
public void onSkipPressed(Fragment currentFragment) {  
    super.onSkipPressed(currentFragment);  
    // do anything here that you want do be done when skip button is pressed  
    startActivity(new Intent(packageContext: this, MainActivity.class));  
    finish();  
}
```

First Page



Hii There how are you!!

SKIP



8th Step

```
@Override  
public void onDonePressed(Fragment currentFragment) {  
    super.onDonePressed(currentFragment);  
    // do anything here that you want do be done when skip button is pressed  
    startActivity(new Intent(packageContext: this, MainActivity.class));  
    finish();  
}
```

Third Page



Bye! take care

DONE

